



Robert Tibshirani

Professor of Biomedical Data Science and of Statistics

 Curriculum Vitae available Online

Bio

BIO

Robert Tibshirani's main interests are in applied statistics, biostatistics, and data mining. He is co-author of the books "Generalized Additive Models" (with Trevor Hastie, Stanford), "An Introduction to the Bootstrap" (with Brad Efron, Stanford), and "Elements of Statistical Learning" (with Trevor Hastie and Jerry Friedman, Stanford). His current research focuses on problems in biology and genomics, medicine, and industry. With Stanford collaborator Balasubramanian Narasimhan, he also develops software packages for genomics and proteomics.

ACADEMIC APPOINTMENTS

- Professor, Biomedical Data Science
- Professor, Statistics
- Member, Bio-X
- Member, Maternal & Child Health Research Institute (MCHRI)
- Member, Stanford Cancer Institute

ADMINISTRATIVE APPOINTMENTS

- Professor, Department of Biomedical Data Science and Department of Statistics, Stanford University, (2015- present)
- Professor, Department of Health Research and Policy and Department of Statistics, Stanford University, (1998-2015)
- Professor, Department of Public Health Sciences and Department of Statistics, University of Toronto, (1994-1998)
- Associate Professor, Department of Statistics, University of Toronto, (1989-1994)
- Associate Professor, Department of Preventive Medicine and Biostatistics, University of Toronto, (1989-1994)
- Assistant Professor, Department of Statistics, University of Toronto, (1985-1989)
- Assistant Professor, Department of Preventive Medicine and Biostatistics, University of Toronto, (1985-1989)

HONORS AND AWARDS

- Doctor Honoris Causa, University of Waterloo (2018)
- Elected Member, National Academy of Sciences (2012)
- Gold Medal, Statistical Society of Canada (2012)
- Alumni Achievement Award, University of Waterloo (2006)
- Fellow, Royal Society of Canada (2001)
- CRM-SSC Prize in Statistics, Statistical Society of Canada (2000)
- E.W. Steacie Memorial Fellowship, Natural Sciences and Engineering Research Council of Canada (1997)

- President's Award, Committee of Presidents of Statistical Societies (1996)
- Guggenheim Fellowship, J. Guggenheim Foundation (1994)
- Fellow, Institute of Mathematical Statistics (1993)
- Fellow, American Statistical Association (1992)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Associate Editor, Annals of Applied Statistics (2006 - present)
- Associate Editor, PLoS Biology (2001 - 2004)
- Member, Screening Panel, National Science Foundation (1999 - 1999)
- Associate Editor, Annals of Statistics (1998 - present)
- Associate Editor, Statistical Science (1995 - present)
- Chair, Committee on Computerization, Institute of Mathematical Statistics (1995 - present)
- Associate Editor, Canadian Journal of Statistics (1995 - 1997)
- Program Chair, Statistical Computing, American Statistical Association (1995 - 1996)
- Annual Meeting Program Chair, Statistical Society of Canada (1994 - 1994)
- Series Editor, Computing and Graphics Monographs, Chapman & Hall (1994 - 1994)
- Council Member, Institute of Mathematical Statistics (1991 - 1994)
- Member, Statistical Sciences Grant Selection Committee, Natural Sciences and Engineering Research Council of Canada (1989 - 1993)
- Associate Editor, Canadian Journal of Statistics (1988 - 1991)
- Associate Editor, Theory and Methods, Journal of the American Statistical Association (1986 - 1995)

PROFESSIONAL EDUCATION

- B.Math., University of Waterloo , Statistics and Computer Science (1979)
- M.Sc., University of Toronto , Statistics (1980)
- Ph.D., Stanford University , Statistics (1984)

LINKS

- Personal Web Site: <https://statistics.stanford.edu/~tibs/>
- Statistics Department Profile: <https://statistics.stanford.edu/people/robert-tibshirani>

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

My research is in applied statistics and biostatistics. I specialize in computer-intensive methods for regression and classification, bootstrap, cross-validation and statistical inference, and signal and image analysis for medical diagnosis.

Teaching

COURSES

2023-24

- Literature of Statistics: STATS 319 (Win)

2022-23

- Biomedical Informatics Student Seminar: BIODS 201, BIOMEDIN 201 (Aut)

- Modern Applied Statistics: Learning: STATS 315A (Win)

2021-22

- Modern Applied Statistics: Learning: STATS 315A (Win)
- Workshop in Biostatistics: BIODS 260A, STATS 260A (Aut)

2020-21

- Modern Applied Statistics: Learning: STATS 315A (Win)

STANFORD ADVISEES

Doctoral Dissertation Reader (AC)

Meelad Amouzgar, Fang Cai, Camilo Espinosa Bernal, Kevin Fry, Sophia Lu, Maxim Zaslavsky

Orals Evaluator

Maxim Zaslavsky

Doctoral (Program)

Gautam Machiraju, Gowri Nayar, Betty Xiong

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Biomedical Informatics (Phd Program)
- Immunology (Phd Program)

Publications

PUBLICATIONS

- **Multimodal data fusion using sparse canonical correlation analysis and cooperative learning: a COVID-19 cohort study.** *NPJ digital medicine*
Er, A. G., Ding, D. Y., Er, B., Uzun, M., Cakmak, M., Sadee, C., Durhan, G., Ozmen, M. N., Tanriover, M. D., Topeli, A., Aydin Son, Y., Tibshirani, R., Unal, et al
2024; 7 (1): 117
- **CAR19 monitoring by peripheral blood immunophenotyping reveals histology-specific expansion and toxicity.** *Blood advances*
Hamilton, M. P., Craig, E., Gentile Sanchez, C., Mina, A., Tamaresis, J., Kirmani, N., Ehlinger, Z., Syal, S., Good, Z., Sworder, B., Schroers-Martin, J., Lu, Y., Muffly, et al
2024
- **Intraoperative Evaluation of Breast Tissues During Breast Cancer Operations Using the MasSpec Pen.** *JAMA network open*
Garza, K. Y., King, M. E., Nagi, C., DeHoog, R. J., Zhang, J., Sans, M., Krieger, A., Feider, C. L., Bensussan, A. V., Keating, M. F., Lin, J. Q., Sun, M. W., Tibshirani, et al
2024; 7 (3): e242684
- **Smooth Multi-Period Forecasting With Application to Prediction of COVID-19 Cases** *JOURNAL OF COMPUTATIONAL AND GRAPHICAL STATISTICS*
Tuzhilina, E., Hastie, T. J., Mcdonald, D. J., Tay, J., Tibshirani, R.
2024
- **Semi-supervised Cooperative Learning for Multiomics Data Fusion**
Ding, D., Shen, X., Snyder, M., Tibshirani, R., Maier, A. K., Schnabel, J. A., Tiwari, P., Stegle, O.
SPRINGER INTERNATIONAL PUBLISHING AG.2024: 54-63
- **Evaluating a shrinkage estimator for the treatment effect in clinical trials.** *Statistics in medicine*
van Zwet, E. W., Tian, L., Tibshirani, R.
2023
- **Multimodal Biomedical Data Fusion Using Sparse Canonical Correlation Analysis and Cooperative Learning: A Cohort Study on COVID-19.** *Research square*
Er, A. G., Ding, D. Y., Er, B., Uzun, M., Cakmak, M., Sadee, C., Durhan, G., Ozmen, M. N., Tanriover, M. D., Topeli, A., Son, Y. A., Tibshirani, R., Unal, et al

2023

- **Public health factors help explain cross country heterogeneity in excess death during the COVID19 pandemic.** *Scientific reports*
Sun, M. W., Troxell, D., Tibshirani, R.
2023; 13 (1): 16196
- **Confidence intervals for the Cox model test error from cross-validation.** *Statistics in medicine*
Sun, M. W., Tibshirani, R.
2023
- **Spatial proteomics reveals human microglial states shaped by anatomy and neuropathology.** *Research square*
Mrdjen, D., Amouzgar, M., Cannon, B., Liu, C., Spence, A., McCaffrey, E., Bharadwaj, A., Tebaykin, D., Bukhari, S., Hartmann, F. J., Kagel, A., Vijayaragavan, K., Oliveria, et al
2023
- **Distinguishing Renal Cell Carcinoma From Normal Kidney Tissue Using Mass Spectrometry Imaging Combined With Machine Learning.** *JCO precision oncology*
Shankar, V., Vijayalakshmi, K., Nolley, R., Sonn, G. A., Kao, C. S., Zhao, H., Wen, R., Eberlin, L. S., Tibshirani, R., Zare, R. N., Brooks, J. D.
2023; 7: e2200668
- **Cross-Validation: What Does It Estimate and How Well Does It Do It?** *JOURNAL OF THE AMERICAN STATISTICAL ASSOCIATION*
Bates, S., Hastie, T., Tibshirani, R.
2023
- **STABL Enables Reliable and Selective biomarker Discovery in Predictive Modeling of High Dimensional Omics Data**
Verdonk, F., Hedou, J., Maric, I., Bellan, G., Einhaus, J., Gaudilliere, D., Ladant, F., Stelzer, I., Feyaerts, D., Tsai, A., Bonham, A., Angst, M., Aghaeepour, et al
LIPPINCOTT WILLIAMS & WILKINS.2023: 814-821
- **Leading edge competition promotes context-dependent responses to receptor inputs to resolve directional dilemmas in neutrophil migration.** *Cell systems*
Hadjitheodorou, A., Bell, G. R., Ellett, F., Irimia, D., Tibshirani, R., Collins, S. R., Theriot, J. A.
2023
- **A tissue atlas of ulcerative colitis revealing evidence of sex-dependent differences in disease-driving inflammatory cell types and resistance to TNF inhibitor therapy** *SCIENCE ADVANCES*
Mayer, A. T., Holman, D. R., Sood, A., Tandon, U., Bhate, S. S., Bodapati, S., Barlow, G. L., Chang, J., Black, S., Crenshaw, E. C., Koron, A. N., Streett, S. E., Gambhir, et al
2023; 9 (3)
- **A tissue atlas of ulcerative colitis revealing evidence of sex-dependent differences in disease-driving inflammatory cell types and resistance to TNF inhibitor therapy.** *Science advances*
Mayer, A. T., Holman, D. R., Sood, A., Tandon, U., Bhate, S. S., Bodapati, S., Barlow, G. L., Chang, J., Black, S., Crenshaw, E. C., Koron, A. N., Streett, S. E., Gambhir, et al
2023; 9 (3): eadd1166
- **Feature-weighted elastic net: using "features of features" for better prediction.** *Statistica Sinica*
Tay, J. K., Aghaeepour, N., Hastie, T., Tibshirani, R.
2023; 33 (1): 259-279
- **Improved Relapse Prediction in Pediatric Acute Myeloid Leukemia By Deconvolving Lineage-Specific and CancerSpecific Features in Single-Cell Data**
Keyes, T., Jager, A., Krueger, M., Plevritis, S., Tibshirani, R., Aplenc, R., Nolan, G. P., Redell, M. S., Davis, K. L.
AMER SOC HEMATOLOGY.2022: 6288-6289
- **CD8+ T cell differentiation status correlates with the feasibility of sustained unresponsiveness following oral immunotherapy.** *Nature communications*
Kaushik, A., Dunham, D., Han, X., Do, E., Andorf, S., Gupta, S., Fernandes, A., Kost, L. E., Sindher, S. B., Yu, W., Tsai, M., Tibshirani, R., Boyd, et al
2022; 13 (1): 6646
- **Cooperative learning for multiview analysis.** *Proceedings of the National Academy of Sciences of the United States of America*
Ding, D. Y., Li, S., Narasimhan, B., Tibshirani, R.
2022; 119 (38): e2202113119
- **Post-infusion CAR T-Reg cells identify patients resistant to CD19-CAR therapy** *NATURE MEDICINE*

- Good, Z., Spiegel, J. Y., Sahaf, B., Malipatlolla, M. B., Ehlinger, Z. J., Kurra, S., Desai, M. H., Reynolds, W. D., Lin, A., Vandris, P., Wu, F., Prabhu, S., Hamilton, et al
2022
- **LARGE-SCALE MULTIVARIATE SPARSE REGRESSION WITH APPLICATIONS TO UK BIOBANK.** *The annals of applied statistics*
Qian, J., Tanigawa, Y., Li, R., Tibshirani, R., Rivas, M. A., Hastie, T.
2022; 16 (3): 1891-1918
 - **LARGE-SCALE MULTIVARIATE SPARSE REGRESSION WITH APPLICATIONS TO UK BIOBANK** *ANNALS OF APPLIED STATISTICS*
Qian, J., Tanigawa, Y., Li, R., Tibshirani, R., Rivas, M. A., Hastie, T.
2022; 16 (3): 1891-1918
 - **Prediction and outlier detection in classification problems.** *Journal of the Royal Statistical Society. Series B, Statistical methodology*
Guan, L., Tibshirani, R.
2022; 84 (2): 524-546
 - **Significant sparse polygenic risk scores across 813 traits in UK Biobank.** *PLoS genetics*
Tanigawa, Y., Qian, J., Venkataraman, G., Justesen, J. M., Li, R., Tibshirani, R., Hastie, T., Rivas, M. A.
2022; 18 (3): e1010105
 - **Prediction and outlier detection in classification problems** *JOURNAL OF THE ROYAL STATISTICAL SOCIETY SERIES B-STATISTICAL METHODOLOGY*
Guan, L., Tibshirani, R.
2022
 - **Identification of end-stage renal disease metabolic signatures from human perspiration** *Natural Sciences*
Shankar, V., Michael, B., Celli, A., Zhou, Z., Ashland, M., Tibshirani, R., Snyder, M., Zare, R.
2022
 - **Can auxiliary indicators improve COVID-19 forecasting and hotspot prediction?** *Proceedings of the National Academy of Sciences of the United States of America*
McDonald, D. J., Bien, J., Green, A., Hu, A. J., DeFries, N., Hyun, S., Oliveira, N. L., Sharpnack, J., Tang, J., Tibshirani, R., Ventura, V., Wasserman, L., Tibshirani, et al
1800; 118 (51)
 - **Author Correction: Genetics of 35 blood and urine biomarkers in the UK Biobank.** *Nature genetics*
Sinnott-Armstrong, N., Tanigawa, Y., Amar, D., Mars, N., Benner, C., Aguirre, M., Venkataraman, G. R., Wainberg, M., Ollila, H. M., Kiiskinen, T., Havulinna, A. S., Pirruccello, J. P., Qian, et al
2021
 - **Rapid Screening of COVID-19 Directly from Clinical Nasopharyngeal Swabs Using the MasSpec Pen.** *Analytical chemistry*
Garza, K. Y., Silva, A. A., Rosa, J. R., Keating, M. F., Povilaitis, S. C., Spradlin, M., Sanches, P. H., Varao Moura, A., Marrero Gutierrez, J., Lin, J. Q., Zhang, J., DeHoog, R. J., Bensussan, et al
2021
 - **Testing for a Sweet Spot in Randomized Trials.** *Medical decision making : an international journal of the Society for Medical Decision Making*
Redelmeier, D. A., Thiruchelvam, D., Tibshirani, R. J.
2021: 272989X211025525
 - **Author Correction: An inflammatory aging clock (iAge) based on deep learning tracks multimorbidity, immunosenescence, frailty and cardiovascular aging.** *Nature aging*
Sayed, N., Huang, Y., Nguyen, K., Krejciova-Rajaniemi, Z., Grawe, A. P., Gao, T., Tibshirani, R., Hastie, T., Alpert, A., Cui, L., Kuznetsova, T., Rosenberg-Hasson, Y., Ostan, et al
2021; 1 (8): 748
 - **Penalized regression for left-truncated and right-censored survival data.** *Statistics in medicine*
McGough, S. F., Incerti, D., Lyalina, S., Copping, R., Narasimhan, B., Tibshirani, R.
2021
 - **The stanford prostate cancer calculator: Development and external validation of online nomograms incorporating PIRADS scores to predict clinically significant prostate cancer.** *Urologic oncology*

- Wang, N. N., Zhou, S. R., Chen, L., Tibshirani, R., Fan, R. E., Ghanouni, P., Thong, A. E., To'o, K. J., Amirkhiz, K., Nix, J. W., Gordetsky, J. B., Sprenkle, P., Rais-Bahrami, et al
2021
- **Corrigendum to: Fast Lasso method for large-scale and ultrahigh-dimensional Cox model with applications to UK Biobank.** *Biostatistics (Oxford, England)*
Li, R., Chang, C., Justesen, J. M., Tanigawa, Y., Qian, J., Hastie, T., Rivas, M. A., Tibshirani, R.
2021
 - **An inflammatory aging clock (iAge) based on deep learning tracks multimorbidity, immunosenescence, frailty and cardiovascular aging.** *Nature aging*
Sayed, N., Huang, Y., Nguyen, K., Krejciowa-Rajaniemi, Z., Grawe, A. P., Gao, T., Tibshirani, R., Hastie, T., Alpert, A., Cui, L., Kuznetsova, T., Rosenberg-Hasson, Y., Ostan, et al
2021; 1: 598-615
 - **Fast Numerical Optimization for Genome Sequencing Data in Population Biobanks.** *Bioinformatics (Oxford, England)*
Li, R., Chang, C., Tanigawa, Y., Narasimhan, B., Hastie, T., Tibshirani, R., Rivas, M. A.
2021
 - **Assessment of heterogeneous treatment effect estimation accuracy via matching.** *Statistics in medicine*
Gao, Z., Hastie, T., Tibshirani, R.
2021
 - **Principal component-guided sparse regression** *CANADIAN JOURNAL OF STATISTICS-REVUE CANADIENNE DE STATISTIQUE*
Tay, J. K., Friedman, J., Tibshirani, R.
2021
 - **LassoNet: Neural Networks with Feature Sparsity.** *Proceedings of machine learning research*
Lemhadri, I., Ruan, F., Tibshirani, R.
2021; 130: 10-18
 - **Survival Analysis on Rare Events Using Group-Regularized Multi-Response Cox Regression.** *Bioinformatics (Oxford, England)*
Li, R., Tanigawa, Y., Justesen, J. M., Taylor, J., Hastie, T., Tibshirani, R., Rivas, M. A.
2021
 - **Basophil activation tests identify a peanut OIT subgroup with improved safety and outcomes**
Chinthrajah, S., Cao, S., Tsai, M., Mukai, K., Tibshirani, R., Sindher, S., Nadeau, K., Galli, S.
MOSBY-ELSEVIER.2021: AB166
 - **Genetics of 35 blood and urine biomarkers in the UK Biobank.** *Nature genetics*
Sinnott-Armstrong, N., Tanigawa, Y., Amar, D., Mars, N., Benner, C., Aguirre, M., Venkataraman, G. R., Wainberg, M., Ollila, H. M., Kiiskinen, T., Havulinna, A. S., Pirruccello, J. P., Qian, et al
2021
 - **An open repository of real-time COVID-19 indicators.** *Proceedings of the National Academy of Sciences of the United States of America*
Reinhart, A., Brooks, L., Jahja, M., Rumack, A., Tang, J., Agrawal, S., Al Saeed, W., Arnold, T., Basu, A., Bien, J., Cabrera, Á. A., Chin, A., Chua, et al
2021; 118 (51)
 - **MassExplorer: a computational tool for analyzing desorption electrospray ionization mass spectrometry data** *Bioinformatics (Oxford, England)*
Shankar, V., Tibshirani, R., Zare, R. N.
2021
 - **De novo mutational signature discovery in tumor genomes using SparseSignatures.** *PLoS computational biology*
Lal, A., Liu, K., Tibshirani, R., Sidow, A., Ramazzotti, D.
2021; 17 (6): e1009119
 - **LassoNet: Neural Networks with Feature Sparsity**
Lemhadri, I., Ruan, F., Tibshirani, R., Banerjee, A., Fukumizu, K.
MICROTOME PUBLISHING.2021: 10-+
 - **LassoNet: A Neural Network with Feature Sparsity** *JOURNAL OF MACHINE LEARNING RESEARCH*
Lemhadri, I., Ruan, F., Abraham, L., Tibshirani, R.
2021; 22

- **Discussion of "Prediction, Estimation, and Attribution" by Bradley Efron** *INTERNATIONAL STATISTICAL REVIEW*
Friedman, J., Hastie, T., Tibshirani, R.
2020; 88: S73–S74
- **Reluctant Generalised Additive Modelling.** *International statistical review = Revue internationale de statistique*
Tay, J. K., Tibshirani, R.
2020; 88 (Suppl 1): S205-S224
- **Reluctant Generalised Additive Modelling** *INTERNATIONAL STATISTICAL REVIEW*
Tay, J., Tibshirani, R.
2020
- **Metabolic Dynamics and Prediction of Gestational Age and Time to Delivery in Pregnant Women** *OBSTETRICAL & GYNECOLOGICAL SURVEY*
Liang, L., Rasmussen, M., Piening, B., Shen, X., Chen, S., Rost, H., Snyder, J. K., Tibshirani, R., Skotte, L., Lee, N. Y., Contrepois, K., Feenstra, B., Zackriah, et al
2020; 75 (11): 649–51
- **Rejoinder: Best Subset, Forward Stepwise or Lasso? Analysis and Recommendations Based on Extensive Comparisons** *STATISTICAL SCIENCE*
Hastie, T., Tibshirani, R., Tibshirani, R. J.
2020; 35 (4): 625–26
- **Best Subset, Forward Stepwise or Lasso? Analysis and Recommendations Based on Extensive Comparisons** *STATISTICAL SCIENCE*
Hastie, T., Tibshirani, R., Tibshirani, R.
2020; 35 (4): 579–92
- **Integration of mechanistic immunological knowledge into a machine learning pipeline improves predictions** *NATURE MACHINE INTELLIGENCE*
Culos, A., Tsai, A. S., Stanley, N., Becker, M., Ghaemi, M. S., McIlwain, D. R., Fallahzadeh, R., Tanada, A., Nassar, H., Espinosa, C., Xenochristou, M., Ganio, E., Peterson, et al
2020
- **Integration of mechanistic immunological knowledge into a machine learning pipeline improves predictions.** *Nature machine intelligence*
Culos, A., Tsai, A. S., Stanley, N., Becker, M., Ghaemi, M. S., McIlwain, D. R., Fallahzadeh, R., Tanada, A., Nassar, H., Espinosa, C., Xenochristou, M., Ganio, E., Peterson, et al
2020; 2 (10): 619-628
- **Transparency and reproducibility in artificial intelligence.** *Nature*
Haibe-Kains, B., Adam, G. A., Hosny, A., Khodakarami, F., Massive Analysis Quality Control (MAQC) Society Board of Directors, Waldron, L., Wang, B., McIntosh, C., Goldenberg, A., Kundaje, A., Greene, C. S., Broderick, T., Hoffman, M. M., et al
2020; 586 (7829): E14–E16
- **A Pliable Lasso.** *Journal of computational and graphical statistics : a joint publication of American Statistical Association, Institute of Mathematical Statistics, Interface Foundation of North America*
Tibshirani, R., Friedman, J.
2020; 29 (1): 215-225
- **Post model-fitting exploration via a "Next-Door" analysis.** *The Canadian journal of statistics = Revue canadienne de statistique*
Guan, L., Tibshirani, R.
2020; 48 (3): 447-470
- **SARS-CoV-2 Antibody Responses Correlate with Resolution of RNAemia But Are Short-Lived in Patients with Mild Illness.** *medRxiv : the preprint server for health sciences*
Röltgen, K., Wirz, O. F., Stevens, B. A., Powell, A. E., Hogan, C. A., Najeeb, J., Hunter, M., Sahoo, M. K., Huang, C., Yamamoto, F., Manalac, J., Otrelo-Cardoso, A. R., Pham, et al
2020
- **Transcriptional changes in peanut-specific CD4+ T cells over the course of oral immunotherapy.** *Clinical immunology (Orlando, Fla.)*
Wang, W., Lyu, S., Ji, X., Gupta, S., Manohar, M., Dhondalay, G. K., Chinthrajah, S., Andorf, S., Boyd, S. D., Tibshirani, R., Galli, S. J., Nadeau, K. C., Maecker, et al
2020: 108568
- **Metabolic Dynamics and Prediction of Gestational Age and Time to Delivery in Pregnant Women.** *Cell*

- Liang, L., Rasmussen, M. H., Piening, B., Shen, X., Chen, S., Rost, H., Snyder, J. K., Tibshirani, R., Skotte, L., Lee, N. C., Contrepois, K., Feenstra, B., Zackriah, et al
2020; 181 (7): 1680
- **Molecular Transducers of Physical Activity Consortium (MoTrPAC): Mapping the Dynamic Responses to Exercise.** *Cell*
Sanford, J. A., Nogiec, C. D., Lindholm, M. E., Adkins, J. N., Amar, D., Dasari, S., Drugan, J. K., Fernandez, F. M., Radom-Aizik, S., Schenk, S., Snyder, M. P., Tracy, R. P., Vanderboom, et al
2020; 181 (7): 1464–74
 - **Discussion of "Prediction, Estimation, and Attribution" by Bradley Efron** *JOURNAL OF THE AMERICAN STATISTICAL ASSOCIATION*
Friedman, J., Hastie, T., Tibshirani, R.
2020; 115 (530): 665–66
 - **Integrating genomic features for non-invasive early lung cancer detection.** *Nature*
Chabon, J. J., Hamilton, E. G., Kurtz, D. M., Esfahani, M. S., Moding, E. J., Stehr, H., Schroers-Martin, J., Nabet, B. Y., Chen, B., Chaudhuri, A. A., Liu, C. L., Hui, A. B., Jin, et al
2020; 580 (7802): 245-251
 - **Integrating genomic features for non-invasive early lung cancer detection** *NATURE*
Chabon, J. J., Hamilton, E. G., Kurtz, D. M., Esfahani, M. S., Moding, E. J., Stehr, H., Schroers-Martin, J., Nabet, B. Y., Chen, B., Chaudhuri, A. A., Liu, C., Hui, A. B., Jin, et al
2020
 - **Post model-fitting exploration via a "Next-Door" analysis** *CANADIAN JOURNAL OF STATISTICS-REVUE CANADIENNE DE STATISTIQUE*
Guan, L., Tibshirani, R.
2020
 - **Dose-related Allergic Reactions Decrease Over Time During Peanut Oral Immunotherapy in a Large, Randomized, Double-blind, Placebo-controlled, Phase 2 Study**
Long, A., Purington, N., Andorf, S., O'Laughlin, K., Lyu, S., Sindher, S., Manohar, M., Boyd, S., Tibshirani, R., Maecker, H., Mukai, K., Tsai, M., Desai, et al
MOSBY-ELSEVIER.2020: AB134
 - **Sustained outcomes in oral immunotherapy for peanut allergy (POISED study): a large, randomised, double-blind, placebo-controlled, phase 2 study**
Chinthrajah, S., Purington, N., Andorf, S., Long, A., O'Laughlin, K., Lyu, S., Manohar, M., Boyd, S., Tibshirani, R., Maecker, H., Mukai, K., Tsai, M., Desai, et al
MOSBY-ELSEVIER.2020: AB181
 - **A fast and scalable framework for large-scale and ultrahigh-dimensional sparse regression with application to the UK Biobank.** *PLoS genetics*
Qian, J. n., Tanigawa, Y. n., Du, W. n., Aguirre, M. n., Chang, C. n., Tibshirani, R. n., Rivas, M. A., Hastie, T. n.
2020; 16 (10): e1009141
 - **Origins and clonal convergence of gastrointestinal IgE+ B cells in human peanut allergy.** *Science immunology*
Hoh, R. A., Joshi, S. A., Lee, J. Y., Martin, B. A., Varma, S. n., Kwok, S. n., Nielsen, S. C., Nejad, P. n., Haraguchi, E. n., Dixit, P. S., Shutthanandan, S. V., Roskin, K. M., Zhang, et al
2020; 5 (45)
 - **Increased diversity of gut microbiota during active oral immunotherapy in peanut allergic adults.** *Allergy*
He, Z. n., Vadali, V. G., Szabady, R. L., Zhang, W. n., Norman, J. M., Roberts, B. n., Tibshirani, R. n., Desai, M. n., Chinthrajah, R. S., Galli, S. J., Andorf, S. n., Nadeau, K. C.
2020
 - **Fast Lasso method for large-scale and ultrahigh-dimensional Cox model with applications to UK Biobank.** *Biostatistics (Oxford, England)*
Li, R. n., Chang, C. n., Justesen, J. M., Tanigawa, Y. n., Qiang, J. n., Hastie, T. n., Rivas, M. A., Tibshirani, R. n.
2020
 - **Defining the features and duration of antibody responses to SARS-CoV-2 infection associated with disease severity and outcome.** *Science immunology*
Röltgen, K. n., Powell, A. E., Wirz, O. F., Stevens, B. A., Hogan, C. A., Najeeb, J. n., Hunter, M. n., Wang, H. n., Sahoo, M. K., Huang, C. n., Yamamoto, F. n., Manohar, M. n., Manalac, et al
2020; 5 (54)
 - **Identification of Diagnostic Metabolic Signatures in Clear Cell Renal Cell Carcinoma Using Mass Spectrometry Imaging.** *International journal of cancer*
Vijayalakshmi, K., Shankar, V., Bain, R. M., Nolley, R., Sonn, G. A., Kao, C., Zhao, H., Tibshirani, R., Zare, R. N., Brooks, J. D.

2019

- **Increased T Cell Differentiation and Cytolytic Function in Bangladeshi Compared to American Children.** *Frontiers in immunology*
Wagar, L. E., Bolen, C. R., Sigal, N., Lopez Angel, C. J., Guan, L., Kirkpatrick, B. D., Haque, R., Tibshirani, R. J., Parsonnet, J., Petri, W. A., Davis, M. M.
2019; 10: 2239
- **Increased T Cell Differentiation and Cytolytic Function in Bangladeshi Compared to American Children** *FRONTIERS IN IMMUNOLOGY*
Wager, L. E., Bolen, C. R., Sigal, N., Angel, C., Guan, L., Kirkpatrick, B. D., Haque, R., Tibshirani, R. J., Parsonnet, J., Petri, W. A., Davis, M. M.
2019; 10
- **A Pliable Lasso** *JOURNAL OF COMPUTATIONAL AND GRAPHICAL STATISTICS*
Tibshirani, R., Friedman, J.
2019
- **Early detection of unilateral ureteral obstruction by desorption electrospray ionization mass spectrometry.** *Scientific reports*
Banerjee, S., Wong, A. C., Yan, X., Wu, B., Zhao, H., Tibshirani, R. J., Zare, R. N., Brooks, J. D.
2019; 9 (1): 11007
- **Dynamic Risk Profiling Using Serial Tumor Biomarkers for Personalized Outcome Prediction.** *Cell*
Kurtz, D. M., Esfahani, M. S., Scherer, F., Soo, J., Jin, M. C., Liu, C. L., Newman, A. M., Duhren, U., Huttmann, A., Casasnovas, O., Westin, J. R., Ritgen, M., Bottcher, et al
2019
- **Main Effects and Interactions in Mixed and Incomplete Data Frames** *JOURNAL OF THE AMERICAN STATISTICAL ASSOCIATION*
Robin, G., Klopp, O., Josse, J., Moulines, E., Tibshirani, R.
2019
- **Log-ratio lasso: Scalable, sparse estimation for log-ratio models** *BIOMETRICS*
Bates, S., Tibshirani, R.
2019; 75 (2): 613–24
- **Proliferation tracing with single-cell mass cytometry optimizes generation of stem cell memory-like T cells** *NATURE BIOTECHNOLOGY*
Good, Z., Borges, L., Gonzalez, N., Sahaf, B., Samusik, N., Tibshirani, R., Nolan, G. P., Bendall, S. C.
2019; 37 (3): 259–+
- **Shaping of infant B cell receptor repertoires by environmental factors and infectious disease.** *Science translational medicine*
Nielsen, S. C., Roskin, K. M., Jackson, K. J., Joshi, S. A., Nejad, P., Lee, J., Wagar, L. E., Pham, T. D., Hoh, R. A., Nguyen, K. D., Tsunemoto, H. Y., Patel, S. B., Tibshirani, et al
2019; 11 (481)
- **Reply to J. Wang et al.** *Journal of clinical oncology : official journal of the American Society of Clinical Oncology*
Kurtz, D. M., Scherer, F., Jin, M. C., Soo, J., Craig, A. F., Esfahani, M. S., Chabon, J. J., Stehr, H., Liu, C. L., Tibshirani, R., Maeda, L. S., Gupta, N. K., Khodadoust, et al
2019: JCO1801907
- **Proliferation tracing with single-cell mass cytometry optimizes generation of stem cell memory-like T cells.** *Nature biotechnology*
Good, Z., Borges, L., Vivanco Gonzalez, N., Sahaf, B., Samusik, N., Tibshirani, R., Nolan, G. P., Bendall, S. C.
2019
- **Desensitization rates to peanut protein during OIT among children, adolescents, and adults**
Long, A. J., Purington, N., Woch, M., O'Laughlin, K., Tan, T., Kost, L., Hijazi, S., Shojinaga, M., Raeber, O., Alvarez, A., Andorf, S., Tibshirani, R., Galli, et al
MOSBY-ELSEVIER.2019: AB245
- **An Approach to Explore for a Sweet-spot in Randomized Trials.** *Journal of clinical epidemiology*
Redelmeier, D. A., Tibshirani, R. J.
2019
- **Mapping lung cancer epithelial-mesenchymal transition states and trajectories with single-cell resolution.** *Nature communications*
Karacosta, L. G., Anchang, B. n., Ignatiadis, N. n., Kimmey, S. C., Benson, J. A., Shrager, J. B., Tibshirani, R. n., Bendall, S. C., Plevritis, S. K.
2019; 10 (1): 5587

- **Sustained outcomes in oral immunotherapy for peanut allergy (POISED study): a large, randomised, double-blind, placebo-controlled, phase 2 study.** *Lancet (London, England)*
Chinthrajah, R. S., Purington, N. n., Andorf, S. n., Long, A. n., O'Laughlin, K. L., Lyu, S. C., Manohar, M. n., Boyd, S. D., Tibshirani, R. n., Maecker, H. n., Plaut, M. n., Mukai, K. n., Tsai, et al
2019
- **Preoperative metabolic classification of thyroid nodules using mass spectrometry imaging of fine-needle aspiration biopsies.** *Proceedings of the National Academy of Sciences of the United States of America*
DeHoog, R. J., Zhang, J. n., Alore, E. n., Lin, J. Q., Yu, W. n., Woody, S. n., Almendariz, C. n., Lin, M. n., Engelsman, A. F., Sidhu, S. B., Tibshirani, R. n., Suliburk, J. n., Eberlin, et al
2019
- **Genomic analysis of benign prostatic hyperplasia implicates cellular re-landscaping in disease pathogenesis.** *JCI insight*
Middleton, L. W., Shen, Z. n., Varma, S. n., Pollack, A. S., Gong, X. n., Zhu, S. n., Zhu, C. n., Foley, J. W., Vennam, S. n., Sweeney, R. T., Tu, K. n., Bischoff, J. n., Eminaga, et al
2019; 5
- **Multimomics modeling of the immunome, transcriptome, microbiome, proteome and metabolome adaptations during human pregnancy** *BIOINFORMATICS*
Ghaemi, M., DiGiulio, D. B., Contrepolis, K., Callahan, B., Ngo, T. M., Lee-McMullen, B., Lehallier, B., Robaczewska, A., Mcilwain, D., Rosenberg-Hasson, Y., Wong, R. J., Quaintance, C., Culos, et al
2019; 35 (1): 95–103
- **Multimomics modeling of the immunome, transcriptome, microbiome, proteome and metabolome adaptations during human pregnancy.** *Bioinformatics (Oxford, England)*
Ghaemi, M. S., DiGiulio, D. B., Contrepolis, K., Callahan, B., Ngo, T. T., Lee-McMullen, B., Lehallier, B., Robaczewska, A., Mcilwain, D., Rosenberg-Hasson, Y., Wong, R. J., Quaintance, C., Culos, et al
2019; 35 (1): 95–103
- **Nuclear penalized multinomial regression with an application to predicting at bat outcomes in baseball** *STATISTICAL MODELLING*
Powers, S., Hastie, T., Tibshirani, R.
2018; 18 (5-6): 388–410
- **Found In Translation: a machine learning model for mouse-to-human inference.** *Nature methods*
Normand, R., Du, W., Briller, M., Gaujoux, R., Starosvetsky, E., Ziv-Kenet, A., Shalev-Malul, G., Tibshirani, R. J., Shen-Orr, S. S.
2018
- **Analyzing Excess Risk from Matched Designs with Double Controls: Author response.** *Journal of clinical epidemiology*
Redelmeier, D., Tibshirani, R. J.
2018
- **Log-ratio Lasso: Scalable, Sparse Estimation for Log-ratio Models.** *Biometrics*
Bates, S., Tibshirani, R.
2018
- **Multicenter Study Using Desorption-Electrospray-Ionization-Mass-Spectrometry Imaging for Breast-Cancer Diagnosis** *ANALYTICAL CHEMISTRY*
Porcari, A. M., Zhang, J., Garza, K. Y., Rodrigues-Peres, R. M., Lin, J. Q., Young, J. H., Tibshirani, R., Nagi, C., Paiva, G. R., Carter, S. A., Sarian, L., Eberlin, M. N., Eberlin, et al
2018; 90 (19): 11324–32
- **Circulating Tumor DNA Measurements As Early Outcome Predictors in Diffuse Large B-Cell Lymphoma.** *Journal of clinical oncology : official journal of the American Society of Clinical Oncology*
Kurtz, D. M., Scherer, F., Jin, M. C., Soo, J., Craig, A. F., Esfahani, M. S., Chabon, J. J., Stehr, H., Liu, C. L., Tibshirani, R., Maeda, L. S., Gupta, N. K., Khodadoust, et al
2018: JCO2018785246
- **Development of plasma cell-free DNA (cfDNA) assays for early cancer detection: first insights from the Circulating Cell-Free Genome Atlas Study (CCGA)**
Aravanis, A. A., Oxnard, G. R., Maddala, T., Hubbell, E., Venn, O., Jamshidi, A., Shen, L., Amini, H., Beausang, J. A., Betts, C., Civallo, D., Davydov, K., Fazullina, et al
AMER ASSOC CANCER RESEARCH.2018

- **Supervised learning via the "hubNet" procedure.** *Statistica Sinica*
Guan, L., Fan, Z., Tibshirani, R.
2018; 28 (3): 1225-1243
- **SUPERVISED LEARNING VIA THE "HUBNET" PROCEDURE** *STATISTICA SINICA*
Guan, L., Fan, Z., Tibshirani, R.
2018; 28 (3): 1225-43
- **Pharmacogenetics and progression to neovascular age-related macular degeneration-Evidence supporting practice change** **REPLY** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Vavvas, D. G., Small, K. W., Awh, C., Zanke, B. W., Tibshirani, R. J., Kustra, R.
2018; 115 (25): E5640-E5641
- **Noninvasive blood tests for fetal development predict gestational age and preterm delivery** *SCIENCE*
Ngo, T. M., Moufarrej, M. N., Rasmussen, M. H., Camunas-Soler, J., Pan, W., Okamoto, J., Neff, N. F., Liu, K., Wong, R. J., Downes, K., Tibshirani, R., Shaw, G. M., Skotte, et al
2018; 360 (6393): 1133-36
- **Methods for analyzing matched designs with double controls: excess risk is easily estimated and misinterpreted when evaluating traffic deaths** *JOURNAL OF CLINICAL EPIDEMIOLOGY*
Redelmeier, D. A., Tibshirani, R. J.
2018; 98: 117-22
- **Some methods for heterogeneous treatment effect estimation in high dimensions** *STATISTICS IN MEDICINE*
Powers, S., Qian, J., Jung, K., Schuler, A., Shah, N. H., Hastie, T., Tibshirani, R.
2018; 37 (11): 1767-87
- **Single-cell developmental classification of B cell precursor acute lymphoblastic leukemia at diagnosis reveals predictors of relapse.** *Nature medicine*
Good, Z., Sarno, J., Jager, A., Samusik, N., Aghaeepour, N., Simonds, E. F., White, L., Lacayo, N. J., Fantl, W. J., Fazio, G., Gaipa, G., Biondi, A., Tibshirani, et al
2018; 24 (4): 474-83
- **Post-selection inference for 1-penalized likelihood models** *CANADIAN JOURNAL OF STATISTICS-REVUE CANADIENNE DE STATISTIQUE*
Taylor, J., Tibshirani, R.
2018; 46 (1): 41-61
- **Post-Selection Inference for #1-Penalized Likelihood Models.** *The Canadian journal of statistics = Revue canadienne de statistique*
Taylor, J., Tibshirani, R.
2018; 46 (1): 41-61
- **Genomic Feature Selection by Coverage Design Optimization.** *Journal of applied statistics*
Reid, S., Newman, A. M., Diehn, M., Alizadeh, A. A., Tibshirani, R.
2018; 45 (14): 2658-2676
- **CFH and ARMS2 genetic risk determines progression to neovascular age-related macular degeneration after antioxidant and zinc supplementation** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Vavvas, D. G., Small, K. W., Awh, C. C., Zanke, B. W., Tibshirani, R. J., Kustra, R.
2018; 115 (4): E696-E704
- **A General Framework for Estimation and Inference From Clusters of Features** *JOURNAL OF THE AMERICAN STATISTICAL ASSOCIATION*
Reid, S., Taylor, J., Tibshirani, R.
2018; 113 (521): 280-93
- **Genomic feature selection by coverage design optimization** *Journal of Applied Statistics*
Reid, S., Newman, A. M., Diehn, M., Alizadeh, A. A., Tibshirani, R.
2018
- **Distinguishing malignant from benign microscopic skin lesions using desorption electrospray ionization mass spectrometry imaging.** *Proceedings of the National Academy of Sciences of the United States of America*
Margulis, K. n., Chiou, A. S., Aasi, S. Z., Tibshirani, R. J., Tang, J. Y., Zare, R. N.
2018

- **Food allergy and omics.** *The Journal of allergy and clinical immunology*
Dhondalay, G. K., Rael, E. n., Acharya, S. n., Zhang, W. n., Sampath, V. n., Galli, S. J., Tibshirani, R. n., Boyd, S. D., Maecker, H. n., Nadeau, K. C., Andorf, S. n.
2018; 141 (1): 20–29
- **DRUG-NEM: Optimizing drug combinations using single-cell perturbation response to account for intratumoral heterogeneity.** *Proceedings of the National Academy of Sciences of the United States of America*
Anchang, B. n., Davis, K. L., Fienberg, H. G., Williamson, B. D., Bendall, S. C., Karacosta, L. G., Tibshirani, R. n., Nolan, G. P., Plevritis, S. K.
2018; 115 (18): E4294–E4303
- **SELECTING THE NUMBER OF PRINCIPAL COMPONENTS: ESTIMATION OF THE TRUE RANK OF A NOISY MATRIX** *ANNALS OF STATISTICS*
Choi, Y., Taylor, J., Tibshirani, R.
2017; 45 (6): 2590–2617
- **KLHL6 Is Preferentially Expressed in Germinal Center-Derived B-Cell Lymphomas** *AMERICAN JOURNAL OF CLINICAL PATHOLOGY*
Kunder, C. A., Roncador, G., Advani, R. H., Gualco, G., Bacchi, C. E., Sabile, J. M., Lossos, I. S., Nie, K., Tibshirani, R., Green, M. R., Alizadeh, A. A., Natkunam, Y.
2017; 148 (6): 465–76
- **Big data modeling to predict platelet usage and minimize wastage in a tertiary care system** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Guan, L., Tian, X., Gombar, S., Zemek, A. J., Krishnan, G., Scott, R., Narasimhan, B., Tibshirani, R. J., Pham, T. D.
2017; 114 (43): 11368–73
- **Post-selection point and interval estimation of signal sizes in Gaussian samples** *CANADIAN JOURNAL OF STATISTICS-REVUE CANADIENNE DE STATISTIQUE*
Reid, S., Taylor, J., Tibshirani, R.
2017; 45 (2): 128-148
- **Metabolic Markers and Statistical Prediction of Serous Ovarian Cancer Aggressiveness by Ambient Ionization Mass Spectrometry Imaging.** *Cancer research*
Sans, M., Gharpure, K., Tibshirani, R., Zhang, J., Liang, L., Liu, J., Young, J. H., Dood, R. L., Sood, A. K., Eberlin, L. S.
2017; 77 (11): 2903-2913
- **Chemical Space Mimicry for Drug Discovery** *JOURNAL OF CHEMICAL INFORMATION AND MODELING*
Yuan, W., Jiang, D., Nambiar, D. K., Liew, L. P., Hay, M. P., Bloomstein, J., Lu, P., Turner, B., Le, Q., Tibshirani, R., Khatri, P., Moloney, M. G., Koong, et al
2017; 57 (4): 875-882
- **Diagnosis of prostate cancer by desorption electrospray ionization mass spectrometric imaging of small metabolites and lipids** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Banerjee, S., Zare, R. N., Tibshirani, R. J., Kunder, C. A., Nolley, R., Fan, R., Brooks, J. D., Sonn, G. A.
2017; 114 (13): 3334-3339
- **Landscape of monoallelic DNA accessibility in mouse embryonic stem cells and neural progenitor cells.** *Nature genetics*
Xu, J., Carter, A. C., Gendrel, A., Attia, M., Loftus, J., Greenleaf, W. J., Tibshirani, R., Heard, E., Chang, H. Y.
2017; 49 (3): 377-386
- **Long-term course of patients with primary ocular adnexal MALT lymphoma: a large single-institution cohort study** *BLOOD*
Desai, A., Joag, M. G., Lekakis, L., Chapman, J. R., Vega, F., Tibshirani, R., Tse, D., Markoe, A., Lossos, I. S.
2017; 129 (3): 324-332
- **An immune clock of human pregnancy.** *Science immunology*
Aghaepour, N. n., Ganio, E. A., Mcilwain, D. n., Tsai, A. S., Tingle, M. n., Van Gassen, S. n., Gaudilliere, D. K., Baca, Q. n., McNeil, L. n., Okada, R. n., Ghaemi, M. S., Furman, D. n., Wong, et al
2017; 2 (15)
- **A simple method for analyzing matched designs with double controls: McNemar's test can be extended.** *Journal of clinical epidemiology*
Redelmeier, D. A., Tibshirani, R. J.
2017; 81: 51-55.e2
- **An Ordered Lasso and Sparse Time-Lagged Regression** *TECHNOMETRICS*

- Tibshirani, R., Suo, X.
2016; 58 (4): 415-423
- **Long term course of patients with primary ocular adnexal malt lymphoma: a large single institution cohort study.** *Blood*
Desai, A., Joag, M. G., Lekakis, L., Chapman, J. R., Vega, F., Tibshirani, R., Tse, D., Markoe, A., Lossos, I. S.
2016
 - **High-dimensional regression adjustments in randomized experiments.** *Proceedings of the National Academy of Sciences of the United States of America*
Wager, S., Du, W., Taylor, J., Tibshirani, R. J.
2016
 - **An Ordered Lasso and Sparse Time-Lagged Regression.** *Technometrics : a journal of statistics for the physical, chemical, and engineering sciences*
Tibshirani, R., Suo, X.
2016; 58 (4): 415-423
 - **Cardiolipins Are Biomarkers of Mitochondria-Rich Thyroid Oncocytic Tumors.** *Cancer research*
Zhang, J., Yu, W., Ryu, S. W., Lin, J., Buentello, G., Tibshirani, R., Suliburk, J., Eberlin, L. S.
2016: -?
 - **Data Shared Lasso: A novel tool to discover uplift** *COMPUTATIONAL STATISTICS & DATA ANALYSIS*
Gross, S. M., Tibshirani, R.
2016; 101: 226-235
 - **Data Shared Lasso: A Novel Tool to Discover Uplift.** *Computational statistics & data analysis*
Gross, S. M., Tibshirani, R.
2016; 101: 226-235
 - **Pancreatic Cancer Surgical Resection Margins: Molecular Assessment by Mass Spectrometry Imaging.** *PLoS medicine*
Eberlin, L. S., Margulis, K., Planell-Mendez, I., Zare, R. N., Tibshirani, R., Longacre, T. A., Jalali, M., Norton, J. A., Poultides, G. A.
2016; 13 (8)
 - **Pathophysiological significance and therapeutic targeting of germinal center kinase in diffuse large B-cell lymphoma.** *Blood*
Matthews, J. M., Bhatt, S., Patricelli, M. P., Nomanbhoy, T. K., Jiang, X., Natkunam, Y., Gentles, A. J., Martinez, E., Zhu, D., Chapman, J. R., Cortizas, E., Shyam, R., Chinichian, et al
2016; 128 (2): 239-248
 - **Exact Post-Selection Inference for Sequential Regression Procedures** *JOURNAL OF THE AMERICAN STATISTICAL ASSOCIATION*
Tibshirani, R. J., Taylor, J., Lockhart, R., Tibshirani, R.
2016; 111 (514): 600-614
 - **INFERENCE IN ADAPTIVE REGRESSION VIA THE KAC-RICE FORMULA** *ANNALS OF STATISTICS*
Taylor, J. E., Loftus, J. R., Tibshirani, R. J.
2016; 44 (2): 743-770
 - **Sparse regression and marginal testing using cluster prototypes.** *Biostatistics*
Reid, S., Tibshirani, R.
2016; 17 (2): 364-376
 - **Successful immunotherapy induces previously unidentified allergen-specific CD4+ T-cell subsets.** *Proceedings of the National Academy of Sciences of the United States of America*
Ryan, J. F., Hovde, R., Glanville, J., Lyu, S., Ji, X., Gupta, S., Tibshirani, R. J., Jay, D. C., Boyd, S. D., Chinthrajah, R. S., Davis, M. M., Galli, S. J., Maecker, et al
2016; 113 (9): E1286-95
 - **Sequential selection procedures and false discovery rate control** *JOURNAL OF THE ROYAL STATISTICAL SOCIETY SERIES B-STATISTICAL METHODOLOGY*
G'Sell, M. G., Wager, S., Chouldechova, A., Tibshirani, R.
2016; 78 (2): 423-444
 - **A STUDY OF ERROR VARIANCE ESTIMATION IN LASSO REGRESSION** *STATISTICA SINICA*
Reid, S., Tibshirani, R., Friedman, J.
2016; 26 (1): 35-67

- **CUSTOMIZED TRAINING WITH AN APPLICATION TO MASS SPECTROMETRIC IMAGING OF CANCER TISSUE** *ANNALS OF APPLIED STATISTICS*
Powers, S., Hastie, T., Tibshirani, R.
2015; 9 (4): 1709-1725
- **CUSTOMIZED TRAINING WITH AN APPLICATION TO MASS SPECTROMETRIC IMAGING OF CANCER TISSUE.** *The annals of applied statistics*
Powers, S., Hastie, T., Tibshirani, R.
2015; 9 (4): 1709-1725
- **A Permutation Approach to Testing Interactions for Binary Response by Comparing Correlations Between Classes** *JOURNAL OF THE AMERICAN STATISTICAL ASSOCIATION*
Simon, N., Tibshirani, R.
2015; 110 (512): 1707-1716
- **A component lasso** *CANADIAN JOURNAL OF STATISTICS-REVUE CANADIENNE DE STATISTIQUE*
Hussami, N., Tibshirani, R. J.
2015; 43 (4): 624-646
- **The Radiogenomic Risk Score: Construction of a Prognostic Quantitative, Noninvasive Image-based Molecular Assay for Renal Cell Carcinoma** *RADIOLOGY*
Jamshidi, N., Jonasch, E., Zapala, M., Korn, R. L., Aganovic, L., Zhao, H., Sitaram, R. T., Tibshirani, R. J., Banerjee, S., Brooks, J. D., Ljungberg, B., Kuo, M. D.
2015; 277 (1): 114-123
- **The Radiogenomic Risk Score: Construction of a Prognostic Quantitative, Noninvasive Image-based Molecular Assay for Renal Cell Carcinoma.** *Radiology*
Jamshidi, N., Jonasch, E., Zapala, M., Korn, R. L., Aganovic, L., Zhao, H., Tumkur Sitaram, R., Tibshirani, R. J., Banerjee, S., Brooks, J. D., Ljungberg, B., Kuo, M. D.
2015; 277 (1): 114-23
- **Fibromyalgia and the Risk of a Subsequent Motor Vehicle Crash.** *The Journal of rheumatology*
Redelmeier, D. A., Zung, J. D., Thiruchelvam, D., Tibshirani, R. J.
2015; 42 (8): 1502-10
- **Statistical learning and selective inference** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Taylor, J., Tibshirani, R. J.
2015; 112 (25): 7629-7634
- **Collaborative regression** *BIOSTATISTICS*
Gross, S. M., Tibshirani, R.
2015; 16 (2): 326-338
- **CONVEX HIERARCHICAL TESTING OF INTERACTIONS** *ANNALS OF APPLIED STATISTICS*
Bien, J., Simon, N., Tibshirani, R.
2015; 9 (1): 27-42
- **Molecular subtyping for clinically defined breast cancer subgroups** *BREAST CANCER RESEARCH*
Zhao, X., Rodland, E. A., Tibshirani, R., Plevritis, S.
2015; 17
- **Pancancer analysis of DNA methylation-driven genes using MethylMix** *GENOME BIOLOGY*
Gevaert, O., Tibshirani, R., Plevritis, S. K.
2015; 16
- **Pancancer analysis of DNA methylation-driven genes using MethylMix.** *Genome biology*
Gevaert, O., Tibshirani, R., Plevritis, S. K.
2015; 16: 17-?
- **A Simple Method for Estimating Interactions Between a Treatment and a Large Number of Covariates** *JOURNAL OF THE AMERICAN STATISTICAL ASSOCIATION*
Tian, L., Alizadeh, A. A., Gentles, A. J., Tibshirani, R.

2014; 109 (508): 1517-1532

- **Quantitative SD-OCT imaging biomarkers as indicators of age-related macular degeneration progression.** *Investigative ophthalmology & visual science*
de Sisternes, L., Simon, N., Tibshirani, R., Leng, T., Rubin, D. L.
2014; 55 (11): 7093-7103
- **A Simple Method for Estimating Interactions between a Treatment and a Large Number of Covariates.** *Journal of the American Statistical Association*
Tian, L., Alizadeh, A. A., Gentles, A. J., Tibshirani, R.
2014; 109 (508): 1517-1532
- **Alteration of the lipid profile in lymphomas induced by MYC overexpression.** *Proceedings of the National Academy of Sciences of the United States of America*
Eberlin, L. S., Gabay, M., Fan, A. C., Gouw, A. M., Tibshirani, R. J., Felsher, D. W., Zare, R. N.
2014; 111 (29): 10450-10455
- **Automated identification of stratifying signatures in cellular subpopulations** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Bruggner, R. V., Bodenmiller, B., Dill, D. L., Tibshirani, R. J., Nolan, G. P.
2014; 111 (26): E2770-E2777
- **Automated identification of stratifying signatures in cellular subpopulations.** *Proceedings of the National Academy of Sciences of the United States of America*
Bruggner, R. V., Bodenmiller, B., Dill, D. L., Tibshirani, R. J., Nolan, G. P.
2014; 111 (26): E2770-7
- **Active idiotypic vaccination versus control immunotherapy for follicular lymphoma.** *Journal of clinical oncology*
Levy, R., Ganjoo, K. N., Leonard, J. P., Vose, J. M., Flinn, I. W., Ambinder, R. F., Connors, J. M., Berinstein, N. L., Belch, A. R., Bartlett, N. L., Nichols, C., Emmanouilides, C. E., Timmerman, et al
2014; 32 (17): 1797-1803
- **Active idiotypic vaccination versus control immunotherapy for follicular lymphoma.** *Journal of clinical oncology*
Levy, R., Ganjoo, K. N., Leonard, J. P., Vose, J. M., Flinn, I. W., Ambinder, R. F., Connors, J. M., Berinstein, N. L., Belch, A. R., Bartlett, N. L., Nichols, C., Emmanouilides, C. E., Timmerman, et al
2014; 32 (17): 1797-1803
- **Regularization Paths for Conditional Logistic Regression: The clogitL1 Package** *JOURNAL OF STATISTICAL SOFTWARE*
Reid, S., Tibshirani, R.
2014; 58 (12): 1-23
- **Sensitivity analysis for inference with partially identifiable covariance matrices** *COMPUTATIONAL STATISTICS*
G'Sell, M. G., Shen-Orr, S. S., Tibshirani, R.
2014; 29 (3-4): 529-546
- **LMO2 and BCL6 are associated with improved survival in primary central nervous system lymphoma** *BRITISH JOURNAL OF HAEMATOLOGY*
Lossos, C., Bayraktar, S., Weinzierl, E., Younes, S. F., Hosein, P. J., Tibshirani, R. J., Posthumus, J. S., DeAngelis, L. M., Raizer, J., Schiff, D., Abrey, L., Natkunam, Y., Lossos, et al
2014; 165 (5): 640-648
- **A multicentre study of primary breast diffuse large B-cell lymphoma in the rituximab era** *BRITISH JOURNAL OF HAEMATOLOGY*
Hosein, P. J., Maragulia, J. C., Salzberg, M. P., Press, O. W., Habermann, T. M., Vose, J. M., Bast, M., Advani, R. H., Tibshirani, R., Evens, A. M., Islam, N., Leonard, J. P., Martin, et al
2014; 165 (3): 358-363
- **A SIGNIFICANCE TEST FOR THE LASSO** *ANNALS OF STATISTICS*
Lockhart, R., Taylor, J., Tibshirani, R. J., Tibshirani, R.
2014; 42 (2): 413-468
- **A SIGNIFICANCE TEST FOR THE LASSO.** *Annals of statistics*
Lockhart, R., Taylor, J., Tibshirani, R. J., Tibshirani, R.
2014; 42 (2): 413-468
- **Molecular assessment of surgical-resection margins of gastric cancer by mass-spectrometric imaging.** *Proceedings of the National Academy of Sciences of the United States of America*

- Eberlin, L. S., Tibshirani, R. J., Zhang, J., Longacre, T. A., Berry, G. J., Bingham, D. B., Norton, J. A., Zare, R. N., Poultides, G. A.
2014; 111 (7): 2436-2441
- **Systems analysis of sex differences reveals an immunosuppressive role for testosterone in the response to influenza vaccination.** *Proceedings of the National Academy of Sciences of the United States of America*
Furman, D., Hejblum, B. P., Simon, N., Jojic, V., Dekker, C. L., Thiébaud, R., Tibshirani, R. J., Davis, M. M.
2014; 111 (2): 869-874
 - **Increasing value and reducing waste in research design, conduct, and analysis.** *Lancet*
Ioannidis, J. P., Greenland, S., Hlatky, M. A., Khoury, M. J., Macleod, M. R., Moher, D., Schulz, K. F., Tibshirani, R.
2014; 383 (9912): 166-175
 - **A shared transcriptional program in early breast neoplasias despite genetic and clinical distinctions** *GENOME BIOLOGY*
Brunner, A. L., Li, J., Guo, X., Sweeney, R. T., Varma, S., Zhu, S. X., Li, R., Tibshirani, R., West, R. B.
2014; 15 (5)
 - **Finding consistent patterns: A nonparametric approach for identifying differential expression in RNA-Seq data** *STATISTICAL METHODS IN MEDICAL RESEARCH*
Li, J., Tibshirani, R.
2013; 22 (5): 519-536
 - **Identification of gene microarray expression profiles in patients with chronic graft-versus-host disease following allogeneic hematopoietic cell transplantation.** *Clinical immunology*
Kohrt, H. E., Tian, L., Li, L., Alizadeh, A. A., Hsieh, S., Tibshirani, R. J., Strober, S., Sarwal, M., Lowsky, R.
2013; 148 (1): 124-135
 - **A LASSO FOR HIERARCHICAL INTERACTIONS** *ANNALS OF STATISTICS*
Bien, J., Taylor, J., Tibshirani, R.
2013; 41 (3): 1111-1141
 - **A LASSO FOR HIERARCHICAL INTERACTIONS.** *Annals of statistics*
Bien, J., Taylor, J., Tibshirani, R.
2013; 41 (3): 1111-1141
 - **A Sparse-Group Lasso** *JOURNAL OF COMPUTATIONAL AND GRAPHICAL STATISTICS*
Simon, N., Friedman, J., Hastie, T., Tibshirani, R.
2013; 22 (2): 231-245
 - **Classification of patients from time-course gene expression** *BIOSTATISTICS*
Zhang, Y., Tibshirani, R., Davis, R.
2013; 14 (1): 87-98
 - **Scientific research in the age of omics: the good, the bad, and the sloppy** *JOURNAL OF THE AMERICAN MEDICAL INFORMATICS ASSOCIATION*
Witten, D. M., Tibshirani, R.
2013; 20 (1): 125-127
 - **Coronary risk assessment among intermediate risk patients using a clinical and biomarker based algorithm developed and validated in two population cohorts** *CURRENT MEDICAL RESEARCH AND OPINION*
Cross, D. S., McCarty, C. A., Hytopoulos, E., Beggs, M., Nolan, N., Harrington, D. S., Hastie, T., Tibshirani, R., Tracy, R. P., Psaty, B. M., McClelland, R., Tsao, P. S., Quertermous, et al
2012; 28 (11): 1819-1830
 - **Genome-wide Measurement of RNA Folding Energies** *MOLECULAR CELL*
Wan, Y., Qu, K., Ouyang, Z., Kertesz, M., Li, J., Tibshirani, R., Makino, D. L., Nutter, R. C., Segal, E., Chang, H. Y.
2012; 48 (2): 169-181
 - **Inference with Transposable Data: Modeling the Effects of Row and Column Correlations.** *Journal of the Royal Statistical Society. Series B, Statistical methodology*
Allen, G. I., Tibshirani, R.
2012; 74 (4): 721-743

- **Normalization, testing, and false discovery rate estimation for RNA-sequencing data** *BIOSTATISTICS*
Li, J., Witten, D. M., Johnstone, I. M., Tibshirani, R.
2012; 13 (3): 523-538
- **STANDARDIZATION AND THE GROUP LASSO PENALTY.** *Statistica Sinica*
Simon, N., Tibshirani, R.
2012; 22 (3): 983-1001
- **STANDARDIZATION AND THE GROUP LASSO PENALTY** *STATISTICA SINICA*
Simon, N., Tibshirani, R.
2012; 22 (3): 983-1001
- **Autoantibody Epitope Spreading in the Pre-Clinical Phase Predicts Progression to Rheumatoid Arthritis** *PLOS ONE*
Sokolove, J., Bromberg, R., Deane, K. D., Lahey, L. J., Derber, L. A., Chandra, P. E., Edison, J. D., Gilliland, W. R., Tibshirani, R. J., Norris, J. M., Holers, V. M., Robinson, W. H.
2012; 7 (5)
- **DEGREES OF FREEDOM IN LASSO PROBLEMS** *ANNALS OF STATISTICS*
Tibshirani, R. J., Taylor, J.
2012; 40 (2): 1198-1232
- **Strong rules for discarding predictors in lasso-type problems.** *Journal of the Royal Statistical Society. Series B, Statistical methodology*
Tibshirani, R., Bien, J., Friedman, J., Hastie, T., Simon, N., Taylor, J., Tibshirani, R. J.
2012; 74 (2): 245-266
- **In situ vaccination against mycosis fungoides by intratumoral injection of a TLR9 agonist combined with radiation: a phase 1/2 study** *BLOOD*
Kim, Y. H., Gratzinger, D., Harrison, C., Brody, J. D., Czerwinski, D. K., Ai, W. Z., Morales, A., Abdulla, F., Xing, L., Navi, D., Tibshirani, R. J., Advani, R. H., Lingala, et al
2012; 119 (2): 355-363
- **Strong rules for discarding predictors in lasso-type problems** *J. Royal stat. Assoc B*
robert tibshirani, bien, friedman, Hastie, Simon, Taylor, Tibshirani
2012; 74: 245-266
- **Inference with transposable data: modelling the effects of row and column correlations** *JOURNAL OF THE ROYAL STATISTICAL SOCIETY SERIES B- STATISTICAL METHODOLOGY*
Allen, G. I., Tibshirani, R.
2012; 74: 721-743
- **Strong rules for discarding predictors in lasso-type problems** *JOURNAL OF THE ROYAL STATISTICAL SOCIETY SERIES B-STATISTICAL METHODOLOGY*
Tibshirani, R., Bien, J., Friedman, J., Hastie, T., Simon, N., Taylor, J., Tibshirani, R. J.
2012; 74: 245-266
- **Transcriptional profiling of long non-coding RNAs and novel transcribed regions across a diverse panel of archived human cancers** *GENOME BIOLOGY*
Brunner, A. L., Beck, A. H., Edris, B., Sweeney, R. T., Zhu, S. X., Li, R., Montgomery, K., Varma, S., Gilks, T., Guo, X., Foley, J. W., Witten, D. M., Giacomini, et al
2012; 13 (8)
- **Sparse estimation of a covariance matrix** *BIOMETRIKA*
Bien, J., Tibshirani, R. J.
2011; 98 (4): 807-820
- **Sparse estimation of a covariance matrix.** *Biometrika*
Bien, J., Tibshirani, R. J.
2011; 98 (4): 807-820
- **PROTOTYPE SELECTION FOR INTERPRETABLE CLASSIFICATION** *ANNALS OF APPLIED STATISTICS*
Bien, J., Tibshirani, R.
2011; 5 (4): 2403-2424

- **A fused lasso latent feature model for analyzing multi-sample aCGH data** *BIOSTATISTICS*
Nowak, G., Hastie, T., Pollack, J. R., Tibshirani, R.
2011; 12 (4): 776-791
- **Hierarchical Clustering With Prototypes via Minimax Linkage** *JOURNAL OF THE AMERICAN STATISTICAL ASSOCIATION*
Bien, J., Tibshirani, R.
2011; 106 (495): 1075-1084
- **Prediction of survival in diffuse large B-cell lymphoma based on the expression of 2 genes reflecting tumor and microenvironment** *BLOOD*
Alizadeh, A. A., Gentles, A. J., Alencar, A. J., Liu, C. L., Kohrt, H. E., Houot, R., Goldstein, M. J., Zhao, S., Natkunam, Y., Advani, R. H., Gascoyne, R. D., Briones, J., Tibshirani, et al
2011; 118 (5): 1350-1358
- **NOVEL CELL-TYPE SPECIFIC DECONVOLUTION OF WHOLE-BLOOD GENE EXPRESSION PROFILES IN RENAL ACUTE REJECTION**
Khatri, P., Shen-Orr, S., Tibshirani, R., Butte, A., Sarwal, M.
WILEY-BLACKWELL.2011: 79-80
- **MicroRNAs Are Independent Predictors of Outcome in Diffuse Large B-Cell Lymphoma Patients Treated with R-CHOP** *CLINICAL CANCER RESEARCH*
Alencar, A. J., Malumbres, R., Kozloski, G. A., Advani, R., Talreja, N., Chinichian, S., Briones, J., Natkunam, Y., Sehn, L. H., Gascoyne, R. D., Tibshirani, R., Lossos, I. S.
2011; 17 (12): 4125-4135
- **THE SOLUTION PATH OF THE GENERALIZED LASSO** *ANNALS OF STATISTICS*
Tibshirani, R. J., Taylor, J.
2011; 39 (3): 1335-1371
- **Regularization Paths for Cox's Proportional Hazards Model via Coordinate Descent** *JOURNAL OF STATISTICAL SOFTWARE*
Simon, N., Friedman, J., Hastie, T., Tibshirani, R.
2011; 39 (5): 1-13
- **Human transcriptome array for high-throughput clinical studies** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Xu, W., Seok, J., Mindrinos, M. N., Schweitzer, A. C., Jiang, H., Wilhelmy, J., Clark, T. A., Kapur, K., Xing, Y., Faham, M., Storey, J. D., Moldawer, L. L., Maier, et al
2011; 108 (9): 3707-3712
- **The Prognostic Value of Tumor-Associated Macrophages in Leiomyosarcoma A Single Institution Study** *AMERICAN JOURNAL OF CLINICAL ONCOLOGY-CANCER CLINICAL TRIALS*
Ganjoo, K. N., Witten, D., Patel, M., Espinosa, I., La, T., Tibshirani, R., van de Rijn, M., Jacobs, C., West, R. B.
2011; 34 (1): 82-86
- **Nearly-Isotonic Regression** *TECHNOMETRICS*
Tibshirani, R. J., Hoefling, H., Tibshirani, R.
2011; 53 (1): 54-61
- **Adaptive index models for marker-based risk stratification** *BIOSTATISTICS*
Tian, L., Tibshirani, R.
2011; 12 (1): 68-86
- **Regression shrinkage and selection via the lasso: a retrospective** *JOURNAL OF THE ROYAL STATISTICAL SOCIETY SERIES B-STATISTICAL METHODOLOGY*
Tibshirani, R.
2011; 73: 273-282
- **Penalized classification using Fisher's linear discriminant** *JOURNAL OF THE ROYAL STATISTICAL SOCIETY SERIES B-STATISTICAL METHODOLOGY*
Witten, D. M., Tibshirani, R.
2011; 73: 753-772
- **Bayesian gene set analysis for identifying significant biological pathways** *JOURNAL OF THE ROYAL STATISTICAL SOCIETY SERIES C-APPLIED STATISTICS*
Shahbaba, B., Tibshirani, R., Shachaf, C. M., Plevritis, S. K.

2011; 60: 541-557

- **Supervised multidimensional scaling for visualization, classification, and bipartite ranking** *COMPUTATIONAL STATISTICS & DATA ANALYSIS*
Witten, D. M., Tibshirani, R.
2011; 55 (1): 789-801
- **A statistician plays darts** *JOURNAL OF THE ROYAL STATISTICAL SOCIETY SERIES A-STATISTICS IN SOCIETY*
Tibshirani, R. J., Price, A., Taylor, J.
2011; 174: 213-226
- **In Situ Vaccination with TLR9 Agonist Combined with Local Radiation In Mycosis Fungoides: Analysis of Phase I/II Study** *52nd Annual Meeting and Exposition of the American-Society-of-Hematology (ASH)*
Kim, Y. H., Gratzinger, D., Harrison, C., Brody, J., Czerwinski, D., Xing, L., Morales, A., Ai, W., Abdulla, F., Navi, D., Tibshirani, R. J., Advani, R., Natkunam, et al
AMER SOC HEMATOLOGY.2010: 130-30
- **Prediction of Survival In Diffuse Large B-Cell Lymphoma Based On the Expression of Two Genes Reflecting Tumor and Microenvironment** *52nd Annual Meeting and Exposition of the American-Society-of-Hematology (ASH)*
Alizadeh, A. A., Gentles, A. J., Alencar, A. J., Kohrt, H. E., Houot, R., Goldstein, M. J., Zhao, S., Natkunam, Y., Advani, R., Gascoyne, R. D., Briones, J., Tibshirani, R. J., Myklebust, et al
AMER SOC HEMATOLOGY.2010: 836-37
- **In Situ Vaccination With a TLR9 Agonist Induces Systemic Lymphoma Regression: A Phase I/II Study** *JOURNAL OF CLINICAL ONCOLOGY*
Brody, J. D., Ai, W. Z., Czerwinski, D. K., Torchia, J. A., Levy, M., Advani, R. H., Kim, Y. H., Hoppe, R. T., Knox, S. J., Shin, L. K., Wapnir, I., Tibshirani, R. J., Levy, et al
2010; 28 (28): 4324-4332
- **Spectral Regularization Algorithms for Learning Large Incomplete Matrices** *JOURNAL OF MACHINE LEARNING RESEARCH*
Mazumder, R., Hastie, T., Tibshirani, R.
2010; 11: 2287-2322
- **Analysis of factorial time-course microarrays with application to a clinical study of burn injury.** *Proceedings of the National Academy of Sciences of the United States of America*
Zhou, B., Xu, W., Herndon, D., Tompkins, R., Davis, R., Xiao, W., Wong, W. H., Toner, M., Warren, H. S., Schoenfeld, D. A., Rahme, L., McDonald-Smith, G. P., Hayden, et al
2010; 107 (22): 9923-9928
- **TRANSPOSABLE REGULARIZED COVARIANCE MODELS WITH AN APPLICATION TO MISSING DATA IMPUTATION.** *The annals of applied statistics*
Allen, G. I., Tibshirani, R.
2010; 4 (2): 764-790
- **A Framework for Feature Selection in Clustering** *JOURNAL OF THE AMERICAN STATISTICAL ASSOCIATION*
Witten, D. M., Tibshirani, R.
2010; 105 (490): 713-726
- **TRANSPOSABLE REGULARIZED COVARIANCE MODELS WITH AN APPLICATION TO MISSING DATA IMPUTATION** *ANNALS OF APPLIED STATISTICS*
Allen, G. I., Tibshirani, R.
2010; 4 (2): 764-790
- **Ultra-high throughput sequencing-based small RNA discovery and discrete statistical biomarker analysis in a collection of cervical tumours and matched controls** *BMC BIOLOGY*
Witten, D., Tibshirani, R., Gu, S. G., Fire, A., Lui, W.
2010; 8
- **Cell type-specific gene expression differences in complex tissues** *NATURE METHODS*
Shen-Orr, S. S., Tibshirani, R., Khatri, P., Bodian, D. L., Staedtler, F., Perry, N. M., Hastie, T., Sarwal, M. M., Davis, M. M., Butte, A. J.
2010; 7 (4): 287-289
- **Novel Cell-Type Specific Deconvolution of Whole-Blood Gene Expression Profiles in Renal Acute Rejection** *10th American Transplant Congress*
Khatri, P., Shen-Orr, S., Tibshirani, R., Butte, A. J., Sarwal, M. M.

WILEY-BLACKWELL.2010: 294–294

- **C-C Chemokine Receptor 1 Expression in Human Hematolymphoid Neoplasia** *AMERICAN JOURNAL OF CLINICAL PATHOLOGY*
Anderson, M. W., Zhao, S., Ai, W. Z., Tibshirani, R., Levy, R., Lossos, I. S., Natkunam, Y.
2010; 133 (3): 473-483
- **Spectral Regularization Algorithms for Learning Large Incomplete Matrices.** *Journal of machine learning research : JMLR*
Mazumder, R., Hastie, T., Tibshirani, R.
2010; 11: 2287-2322
- **Discovery of molecular subtypes in leiomyosarcoma through integrative molecular profiling** *ONCOGENE*
Beck, A. H., Lee, C., WITTEN, D. M., Gleason, B. C., Edris, B., Espinosa, I., Zhu, S., Li, R., Montgomery, K. D., Marinelli, R. J., Tibshirani, R., Hastie, T., Jablons, et al
2010; 29 (6): 845-854
- **Survival analysis with high-dimensional covariates** *STATISTICAL METHODS IN MEDICAL RESEARCH*
Witten, D. M., Tibshirani, R.
2010; 19 (1): 29-51
- **CD81 protein is expressed at high levels in normal germinal center B cells and in subtypes of human lymphomas** *HUMAN PATHOLOGY*
Luo, R. F., Zhao, S., Tibshirani, R., Myklebust, J. H., Sanyal, M., Fernandez, R., Gratzinger, D., Marinelli, R. J., Lu, Z. S., Wong, A., Levy, R., Levy, S., Natkunam, et al
2010; 41 (2): 271-280
- **DR-Integrator: a new analytic tool for integrating DNA copy number and gene expression data** *BIOINFORMATICS*
Salari, K., Tibshirani, R., Pollack, J. R.
2010; 26 (3): 414-416
- **Regularization Paths for Generalized Linear Models via Coordinate Descent** *JOURNAL OF STATISTICAL SOFTWARE*
Friedman, J., Hastie, T., Tibshirani, R.
2010; 33 (1): 1-22
- **3 '-End Sequencing for Expression Quantification (3SEQ) from Archival Tumor Samples** *PLOS ONE*
Beck, A. H., Weng, Z., Witten, D. M., Zhu, S., Foley, J. W., Lacroute, P., Smith, C. L., Tibshirani, R., van de Rijn, M., Sidow, A., West, R. B.
2010; 5 (1)
- **Predicting Patient Survival from Longitudinal Gene Expression** *STATISTICAL APPLICATIONS IN GENETICS AND MOLECULAR BIOLOGY*
Zhang, Y., Tibshirani, R. J., Davis, R. W.
2010; 9 (1)
- **Extracting Cell-type-specific Gene Expression Differences from Complex Tissues** *10th Annual Meeting of the Federation-of-Clinical-Immunology-Societies*
Shen-Orr, S., Gaidarski, A., Tibshirani, R., Khatri, P., Davis, M., Butte, A.
ACADEMIC PRESS INC ELSEVIER SCIENCE.2010: S10–S10
- **Lymphoma cell VEGFR2 expression detected by immunohistochemistry predicts poor overall survival in diffuse large B cell lymphoma treated with immunochemotherapy (R-CHOP)** *BRITISH JOURNAL OF HAEMATOLOGY*
Gratzinger, D., Advani, R., Zhao, S., Talreja, N., Tibshirani, R. J., Shyam, R., Horning, S., Sehn, L. H., Farinha, P., Briones, J., Lossos, I. S., Gascoyne, R. D., Natkunam, et al
2010; 148 (2): 235-244
- **Local false discovery rate facilitates comparison of different microarray experiments** *NUCLEIC ACIDS RESEARCH*
Hong, W., Tibshirani, R., Chu, G.
2009; 37 (22): 7483-7497
- **Relationship of differential gene expression profiles in CD34(+) myelodysplastic syndrome marrow cells to disease subtype and progression** *BLOOD*
Sridhar, K., Ross, D. T., Tibshirani, R., Butte, A. J., Greenberg, P. L.
2009; 114 (23): 4847-4858
- **Disease signatures are robust across tissues and experiments** *MOLECULAR SYSTEMS BIOLOGY*
Dudley, J. T., Tibshirani, R., Deshpande, T., Butte, A. J.
2009; 5

- **A Network Model of a Cooperative Genetic Landscape in Brain Tumors** *JAMA-JOURNAL OF THE AMERICAN MEDICAL ASSOCIATION*
Bredel, M., Scholtens, D. M., Harsh, G. R., Bredel, C., Chandler, J. P., Renfrow, J. J., Yadav, A. K., Vogel, H., Scheck, A. C., Tibshirani, R., Sikic, B. I.
2009; 302 (3): 261-275
- **A penalized matrix decomposition, with applications to sparse principal components and canonical correlation analysis** *BIOSTATISTICS*
Witten, D. M., Tibshirani, R., Hastie, T.
2009; 10 (3): 515-534
- **Alteration of Gene Expression Signatures of Cortical Differentiation and Wound Response in Lethal Clear Cell Renal Cell Carcinomas** *PLOS ONE*
Zhao, H., Ma, Z., Tibshirani, R., Higgins, J. P., Ljungberg, B., Brooks, J. D.
2009; 4 (6)
- **Anti-idiotype antibody response after vaccination correlates with better overall survival in follicular lymphoma** *BLOOD*
Ai, W. Z., Tibshirani, R., Taidi, B., Czerwinski, D., Levy, R.
2009; 113 (23): 5743-5746
- **A BIAS CORRECTION FOR THE MINIMUM ERROR RATE IN CROSS-VALIDATION** *ANNALS OF APPLIED STATISTICS*
Tibshirani, R. J., Tibshirani, R.
2009; 3 (2): 822-829
- **Prognostic significance of vascular endothelial growth factor (VEGF), VEGF receptors (VEGFR), and vascularity in diffuse large B-cell lymphoma treated with immunochemotherapy (R-CHOP)** *45th Annual Meeting of the American-Society-of-Clinical-Oncology (ASCO)*
Gratzinger, D., Advani, R., Zhao, S., Talreja, N., Tibshirani, R. J., Horning, S. J., Levy, R., Lossos, I. S., Gascoyne, R. D., Natkunam, Y.
AMER SOC CLINICAL ONCOLOGY.2009
- **Correlation of RRM1 expression in muscle invasive locally advanced urothelial cancer with age** *45th Annual Meeting of the American-Society-of-Clinical-Oncology (ASCO)*
Harshman, L. C., Bepler, G., Zheng, Z., Higgins, J. P., ALLEN, G. I., Tibshirani, R., Srinivas, S.
AMER SOC CLINICAL ONCOLOGY.2009
- **Differentiation stage-specific expression of microRNAs in B lymphocytes and diffuse large B-cell lymphomas** *BLOOD*
Malumbres, R., Sarosiek, K. A., Cubedo, E., Ruiz, J. W., Jiang, X., Gascoyne, R. D., Tibshirani, R., Lossos, I. S.
2009; 113 (16): 3754-3764
- **Estimation of Sparse Binary Pairwise Markov Networks using Pseudo-likelihoods** *JOURNAL OF MACHINE LEARNING RESEARCH*
Hoefling, H., Tibshirani, R.
2009; 10: 883-906
- **Estimation of Sparse Binary Pairwise Markov Networks using Pseudo-likelihoods.** *Journal of machine learning research : JMLR*
Höfling, H., Tibshirani, R.
2009; 10: 883-906
- **Covariance-regularized regression and classification for high-dimensional problems.** *Journal of the Royal Statistical Society. Series B, Statistical methodology*
Witten, D. M., Tibshirani, R.
2009; 71 (3): 615-636
- **Temporal Changes in Gene Expression Induced by Sulforaphane in Human Prostate Cancer Cells** *PROSTATE*
Bhamre, S., Sahoo, D., Tibshirani, R., Dill, D. L., Brooks, J. D.
2009; 69 (2): 181-190
- **Extensions of Sparse Canonical Correlation Analysis with Applications to Genomic Data** *STATISTICAL APPLICATIONS IN GENETICS AND MOLECULAR BIOLOGY*
Witten, D. M., Tibshirani, R. J.
2009; 8 (1)
- **CD81 Protein Is Expressed in Normal Germinal Center B-Cells and in Subtypes of Human Non-Hodgkin Lymphomas** *98th Annual Meeting of the United-States-and-Canadian-Academy-of-Pathology*
Luo, R. F., Zhao, S., Tibshirani, R., Lossos, I. S., Advani, R., Gratzinger, D., Wong, A., Talreja, N., Levy, R., Levy, S., Natkunam, Y.
NATURE PUBLISHING GROUP.2009: 275A-275A

- **Discovery of Molecular Subtypes in Leiomyosarcoma through Integrative Molecular Profiling** *98th Annual Meeting of the United-States-and-Canadian-Academy-of-Pathology*
Beck, A. H., Lee, C. H., WITTEN, D. M., Zhou, S., Montgomery, K., Tibshirani, R., Hastie, T., West, R. B., van de Rijn, M.
NATURE PUBLISHING GROUP.2009: 368A–368A
- **Discovery of Molecular Subtypes in Leiomyosarcoma through Integrative Molecular Profiling** *98th Annual Meeting of the United-States-and-Canadian-Academy-of-Pathology*
Beck, A. H., Lee, C. H., WITTEN, D. M., Zhou, S., Montgomery, K., Tibshirani, R., Hastie, T., West, R. B., van de Rijn, M.
NATURE PUBLISHING GROUP.2009: 368A–368A
- **Covariance-regularized regression and classification for high dimensional problems** *JOURNAL OF THE ROYAL STATISTICAL SOCIETY SERIES B-STATISTICAL METHODOLOGY*
Witten, D. M., Tibshirani, R.
2009; 71: 615-636
- **Blood autoantibody and cytokine profiles predict response to anti-tumor necrosis factor therapy in rheumatoid arthritis** *ARTHRITIS RESEARCH & THERAPY*
Hueber, W., Tomooka, B. H., Batliwalla, F., Li, W., Monach, P. A., Tibshirani, R. J., Van Vollenhoven, R. F., Lampa, J., Saito, K., Tanaka, Y., Genovese, M. C., Klareskog, L., Gregersen, et al
2009; 11 (3)
- **Univariate Shrinkage in the Cox Model for High Dimensional Data** *STATISTICAL APPLICATIONS IN GENETICS AND MOLECULAR BIOLOGY*
Tibshirani, R. J.
2009; 8 (1)
- **Lymphoma-Expressed VEGF-a, VEGFR-1, VEGFR-2, and Microvessel Density Are Not Predictive of Overall Survival in Follicular Lymphoma.** *50th Annual Meeting of the American-Society-of-Hematology/ASH/ASCO Joint Symposium*
Gratzinger, D., Zhao, S., Ai, W., Tibshirani, R., Levy, R., Natkunam, Y.
AMER SOC HEMATOLOGY.2008: 1290–90
- **Differentiation-Stage-Specific Expression of MicroRNAs in B-Lymphocytes and Diffuse Large B-Cell Lymphomas (DLBCL)** *50th Annual Meeting of the American-Society-of-Hematology/ASH/ASCO Joint Symposium*
Malumbres, R., Tibshirani, R., Cubedo, E., Sarosiek, K. A., Jiang, X., Ruiz, J., Lossos, I.
AMER SOC HEMATOLOGY.2008: 299–99
- **LMO2 Protein Expression Predicts Survival in Patients with Diffuse Large B-Cell Lymphoma Treated with Immunochemotherapy (RCHOP): A Multicenter Validation Study.** *50th Annual Meeting of the American-Society-of-Hematology/ASH/ASCO Joint Symposium*
Advani, R., Talreja, N., Tibshirani, R., Zhao, S., Alizadeh, A., Briones, J., Bordes, R., Cohen, J., Horning, S., Levy, R., Lossos, I. S., Natkunam, Y.
AMER SOC HEMATOLOGY.2008: 1291–91
- **Neither CD68+Nor CD163+Macrophages Are Associated with Decreased Survival in Follicular Lymphoma** *50th Annual Meeting of the American-Society-of-Hematology/ASH/ASCO Joint Symposium*
Gratzinger, D., Ai, W., Tibshirani, R., Levy, R., Natkunam, Y.
AMER SOC HEMATOLOGY.2008: 1284–84
- **TESTING SIGNIFICANCE OF FEATURES BY LASSOED PRINCIPAL COMPONENTS** *ANNALS OF APPLIED STATISTICS*
Witten, D. M., Tibshirani, R.
2008; 2 (3): 986-1012
- **TESTING SIGNIFICANCE OF FEATURES BY LASSOED PRINCIPAL COMPONENTS.** *The annals of applied statistics*
Witten, D. M., Tibshirani, R.
2008; 2 (3): 986-1012
- **"Preconditioning" for feature selection and regression in high-dimensional problems'** *ANNALS OF STATISTICS*
Paul, D., Bair, E., Hastie, T., Tibshirani, R.
2008; 36 (4): 1595-1618
- **Complementary hierarchical clustering** *BIOSTATISTICS*
Nowak, G., Tibshirani, R.
2008; 9 (3): 467-483

- **Sparse inverse covariance estimation with the graphical lasso** *BIOSTATISTICS*
Friedman, J., Hastie, T., Tibshirani, R.
2008; 9 (3): 432-441
- **Paraffin-based 6-gene model predicts outcome in diffuse large B-cell lymphoma patients treated with R-CHOP** *BLOOD*
Malumbres, R., Chen, J., Tibshirani, R., Johnson, N. A., Sehn, L. H., Natkunam, Y., Briones, J., Advani, R., Connors, J. M., Byrne, G. E., Levy, R., Gascoyne, R. D., Lossos, et al
2008; 111 (12): 5509-5514
- **A STUDY OF PRE-VALIDATION** *ANNALS OF APPLIED STATISTICS*
Hoefling, H., Tibshirani, R.
2008; 2 (2): 643-664
- **An FLT3 gene-expression signature predicts clinical outcome in normal karyotype AML** *BLOOD*
Bullinger, L., Doehner, K., Kranz, R., Stirner, C., Froeling, S., Scholl, C., Kim, Y. H., Schlenk, R. F., Tibshirani, R., Doehner, H., Pollack, J. R.
2008; 111 (9): 4490-4495
- **IRF9 and STAT1 are required for IgG autoantibody production and B cell expression of TLR7 in mice** *JOURNAL OF CLINICAL INVESTIGATION*
Thibault, D. L., Chu, A. D., Graham, K. L., Balboni, I., Lee, L. Y., Kohlmoos, C., Landrigan, A., Higgins, J. P., Tibshirani, R., Utz, P. J.
2008; 118 (4): 1417-1426
- **Multiplexed proximity ligation assays to profile putative plasma biomarkers relevant to pancreatic and ovarian cancer** *CLINICAL CHEMISTRY*
Fredriksson, S., Horecka, J., Brustugun, O. T., Schlingemann, J., Koong, A. C., Tibshirani, R., Davis, R. W.
2008; 54 (3): 582-589
- **hCAP-D3 expression marks a prostate cancer subtype with favorable clinical behavior and androgen signaling signature** *AMERICAN JOURNAL OF SURGICAL PATHOLOGY*
Lapointe, J., Malhotra, S., Higgins, J. P., Bair, E., Thompson, M., Salari, K., Giacomini, C. P., Ferrari, M., Montgomery, K., Tibshirani, R., van de Rijn, M., Brooks, J. D., Pollack, et al
2008; 32 (2): 205-209
- **LMO2 protein expression predicts survival in patients with diffuse large B-Cell lymphoma treated with anthracycline-based chemotherapy with and without rituximab** *JOURNAL OF CLINICAL ONCOLOGY*
Natkunam, Y., Farinha, P., Hsi, E. D., Hans, C. P., Tibshirani, R., Sehn, L. H., Connors, J. M., Gratzinger, D., Rosado, M., Zhao, S., Pohlman, B., Wongchaowart, N., Bast, et al
2008; 26 (3): 447-454
- **Boolean implication networks derived from large scale, whole genome microarray datasets** *GENOME BIOLOGY*
Sahoo, D., Dill, D. L., Gentles, A. J., Tibshirani, R., Plevritis, S. K.
2008; 9 (10)
- **LMO2 protein expression predicts survival in patients with diffuse large B-cell lymphoma treated with anthracycline-based chemotherapy with or without rituximab** *97th Annual Meeting of the United-States-and-Canadian-Academy-of-Pathology*
Natkunam, Y., Farinha, P., Hsi, E. D., Hans, C. P., Tibshirani, R., Sehn, L. H., Connors, J. M., Gratzinger, D., Zhan, S., Pohlman, B., Nagler, A., Levy, R., Gascoyne, et al
NATURE PUBLISHING GROUP.2008: 267A-267A
- **Prognostic significance of VEGF, VEGF receptors, and microvessel density in diffuse large B cell lymphoma treated with anthracycline-based chemotherapy** *LABORATORY INVESTIGATION*
Gratzinger, D., Zhao, S., Tibshirani, R. J., Hsi, E. D., Hans, C. P., Pohlman, B., Bast, M., Avigdor, A., Schiby, G., Nagler, A., Byrne, G. E., Lossos, I. S., Natkunam, et al
2008; 88 (1): 38-47
- **Spatial smoothing and hot spot detection for CGH data using the fused lasso** *BIOSTATISTICS*
Tibshirani, R., Wang, P.
2008; 9 (1): 18-29
- **Polymorphisms in hypoxia inducible factor 1 and the initial clinical presentation of coronary disease** *AMERICAN HEART JOURNAL*
Hlatky, M. A., Quertermous, T., Boothroyd, D. B., Priest, J. R., Glassford, A. J., Myers, R. M., Fortmann, S. P., Iribarren, C., Tabor, H. K., Assimes, T. L., Tibshirani, R. J., Go, A. S.
2007; 154 (6): 1035-1042

- **PATHWISE COORDINATE OPTIMIZATION** *ANNALS OF APPLIED STATISTICS*
Friedman, J., Hastie, T., Hoefling, H., Tibshirani, R.
2007; 1 (2): 302-332
- **Anti-idiotype antibody response after vaccination correlates with better overall survival in follicular lymphoma** *49th Annual Meeting of the American-Society-of-Hematology*
Ai, W. Z., Tibshirani, R., Taidi, B., Czerwinski, D., Levy, R.
AMER SOC HEMATOLOGY.2007: 199A-199A
- **Survival in follicular lymphoma: The Stanford experience, 1960-2003.** *49th Annual Meeting of the American-Society-of-Hematology*
Tan, D., Rosenberg, S. A., Levy, R., Lavori, P., Tibshirani, R., Hoppe, R. T., Warnke, R., Advani, R., Natkunam, Y., Yuen, A., Horning, S. J.
AMER SOC HEMATOLOGY.2007: 1005A-1005A
- **LMO2 protein expression predicts survival in patients with diffuse large B-cell lymphoma in, the pre- and post-rituximab treatment eras** *49th Annual Meeting of the American-Society-of-Hematology*
Natkunam, Y., Farinha, P., Hsi, E. D., Hans, C. P., Tibshirani, R., Sehn, L. H., Connors, J. M., Zhao, S., Pohlman, B., Spinelli, J., Bast, M., Nagler, A., Levy, et al
AMER SOC HEMATOLOGY.2007: 24A-24A
- **Major histocompatibility class II (MHCII) and germinal center associated gene expression correlate with overall survival in rituximab and CHOP-like treated diffuse large B.cell lymphoma (DLBCL) patients, using** *49th Annual Meeting of the American-Society-of-Hematology*
Malumbres, R., Johnson, N. A., Sehn, L. H., Natkunam, Y., Tibshirani, R., Briones, J., Connors, J. M., Levy, R., Gascoyne, R. D., Lossos, I. S.
AMER SOC HEMATOLOGY.2007: 23A-23A
- **Classification and prediction of clinical Alzheimer's diagnosis based on plasma signaling proteins** *NATURE MEDICINE*
Ray, S., Britschgi, M., Herbert, C., Takeda-Uchimura, Y., Boxer, A., Blennow, K., Friedman, L. F., Galasko, D. R., Jutel, M., Karydas, A., Kaye, J. A., Leszek, J., Miller, et al
2007; 13 (11): 1359-1362
- **On the "degrees of freedom" of the lasso** *ANNALS OF STATISTICS*
Zou, H., Hastie, T., Tibshirani, R.
2007; 35 (5): 2173-2192
- **Expression and prognostic significance of a panel of tissue hypoxia markers in head-and-neck squamous cell carcinomas** *48th Annual Meeting of the American-Society-for-Therapeutic-Radiology-and-Oncology (ASTRO)*
Le, Q., Kong, C., Lavori, P. W., O'Byrne, K., Erler, J. T., Huang, X., Chen, Y., Cao, H., Tibshiran, R., Denko, N., Giaccia, A. J., Koong, A. C.
ELSEVIER SCIENCE INC.2007: 167-75
- **Notch signals positively regulate activity of the mTOR pathway in T-cell acute lymphoblastic leukemia** *BLOOD*
Chan, S. M., Weng, A. P., Tibshirani, R., Aster, J. C., Utz, P. J.
2007; 110 (1): 278-286
- **Extracting binary signals from microarray time-course data** *NUCLEIC ACIDS RESEARCH*
Sahoo, D., Dill, D. L., Tibshirani, R., Plevritis, S. K.
2007; 35 (11): 3705-3712
- **ON TESTING THE SIGNIFICANCE OF SETS OF GENES** *ANNALS OF APPLIED STATISTICS*
Efron, B., Tibshirani, R.
2007; 1 (1): 107-129
- **Oncogenic regulators and substrates of the anaphase promoting complex/cyclosome are frequently overexpressed in malignant tumors** *AMERICAN JOURNAL OF PATHOLOGY*
Lehman, N. L., Tibshirani, R., Hsu, J. Y., Natkunam, Y., Harris, B. T., West, R. B., Masek, M. A., Montgomery, K., van de Rijn, M., Jackson, P. K.
2007; 170 (5): 1793-1805
- **Disease-specific genomic analysis: identifying the signature of pathologic biology** *BIOINFORMATICS*
Nicolau, M., Tibshirani, R., Borresen-Dale, A., Jeffrey, S. S.
2007; 23 (8): 957-965
- **Averaged gene expressions for regression** *BIOSTATISTICS*
Park, M. Y., Hastie, T., Tibshirani, R.

2007; 8 (2): 212-227

- **Microvessel density and expression of vascular endothelial growth factor and its receptors in diffuse large B-cell lymphoma subtypes** *AMERICAN JOURNAL OF PATHOLOGY*
Gratzinger, D., Zhao, S., Marinelli, R. J., Kapp, A. V., Tibshirani, R. J., Hammer, A. S., Hamilton-Dutoit, S., Natkunam, Y.
2007; 170 (4): 1362-1369
- **Margin trees for high-dimensional classification** *JOURNAL OF MACHINE LEARNING RESEARCH*
Tibshirani, R., Hastie, T.
2007; 8: 637-652
- **Outlier sums for differential gene expression analysis** *BIOSTATISTICS*
Tibshirani, R., Hastie, T.
2007; 8 (1): 2-8
- **Forward stagewise regression and the monotone lasso** *ELECTRONIC JOURNAL OF STATISTICS*
Hastie, T., Taylor, J., Tibshirani, R., Walther, G.
2007; 1: 1-29
- **Regularized linear discriminant analysis and its application in microarrays** *BIOSTATISTICS*
Guo, Y., Hastie, T., Tibshirani, R.
2007; 8 (1): 86-100
- **Are clusters found in one dataset present in another dataset?** *BIOSTATISTICS*
Kapp, A. V., Tibshirani, R.
2007; 8 (1): 9-31
- **Tumor-infiltrating T cells are not predictive of clinical outcome in follicular lymphoma.** *48th Annual Meeting of the American-Society-of-Hematology*
Ai, W. Y., Czerwinski, D., Horning, S. J., Allen, J., Tibshirani, R., Levy, R.
AMER SOC HEMATOLOGY.2006: 247A-248A
- **Preliminary report on a phase I/II study of intratumoral injection of PF-3512676 (CpG 7909), a TLR9 agonist, combined with radiation in recurrent low-grade lymphomas.** *48th Annual Meeting of the American-Society-of-Hematology*
Ai, W. Y., Kim, Y., Hoppe, R. T., Shah, S., Horning, S. J., Tibshirani, R., Levy, R.
AMER SOC HEMATOLOGY.2006: 767A-768A
- **Distinct patterns of DNA copy number alteration are associated with different clinicopathological features and gene-expression subtypes of breast cancer** *GENES CHROMOSOMES & CANCER*
Bergamaschi, A., Kim, Y. H., Wang, P., Sorlie, T., Hernandez-Boussard, T., Lonning, P. E., Tibshirani, R., Borresen-Dale, A., Pollack, J. R.
2006; 45 (11): 1033-1040
- **Discovery and validation of breast cancer subtypes** *BMC GENOMICS*
Kapp, A. V., Jeffrey, S. S., Langerod, A., Borresen-Dale, A., Han, W., Noh, D., Bukholm, I. R., Nicolau, M., Brown, P. O., Tibshirani, R.
2006; 7
- **Global transcriptional response to interferon is a determinant of HCV treatment outcome and is modified by race** *HEPATOLOGY*
He, X., Ji, X., Hale, M. B., Cheung, R., Ahmed, A., Guo, Y., Nolan, G. P., Pfeiffer, L. M., Wright, T. L., Risch, N., Tibshirani, R., Greenberg, H. B.
2006; 44 (2): 352-359
- **Sparse principal component analysis** *JOURNAL OF COMPUTATIONAL AND GRAPHICAL STATISTICS*
Zou, H., Hastie, T., Tibshirani, R.
2006; 15 (2): 265-286
- **A tail strength measure for assessing the overall univariate significance in a dataset** *BIOSTATISTICS*
Taylor, J., Tibshirani, R.
2006; 7 (2): 167-181
- **Hybrid hierarchical clustering with applications to microarray data** *BIOSTATISTICS*
Chipman, H., Tibshirani, R.
2006; 7 (2): 286-301

- **A simple method for assessing sample sizes in microarray experiments** *BMC BIOINFORMATICS*
Tibshirani, R.
2006; 7
- **An evaluation of tumor oxygenation and gene expression in patients with early stage non-small cell lung cancers** *CLINICAL CANCER RESEARCH*
Le, Q. T., Chen, E., Salim, A., Cao, H. B., Kong, C. S., Whyte, R., Donington, J., Cannon, W., Wakelee, H., Tibshirani, R., Mitchell, J. D., Richardson, D., O'Byrne, et al
2006; 12 (5): 1507-1514
- **Prediction by supervised principal components** *JOURNAL OF THE AMERICAN STATISTICAL ASSOCIATION*
Bair, E., Hastie, T., Paul, D., Tibshirani, R.
2006; 101 (473): 119-137
- **Changes of gene expression in gastric preneoplasia following Helicobacter pylori eradication therapy** *CANCER EPIDEMIOLOGY BIOMARKERS & PREVENTION*
Tsai, C. J., Herrera-Goepfert, R., Tibshirani, R. J., Yang, S. F., Mohar, A., Guarner, J., Parsonnet, J.
2006; 15 (2): 272-280
- **Gene expression profiling predicts survival in conventional renal cell carcinoma** *PLOS MEDICINE*
Zhao, H. J., Ljungberg, B., Grankvist, K., Rasmuson, T., Tibshirani, R., Brooks, J. D.
2006; 3 (1): 115-124
- **Autoantibody profiling of lupus mice deficient for interferon signaling components.** *6th Annual Meeting of the Federation-of-Clinical-Immunology-Societies*
Thibault, D., Graham, K., Balboni, I., Lee, L., Kohlmoos, C., Tibshirani, R., Utz, P.
ACADEMIC PRESS INC ELSEVIER SCIENCE.2006: S72-S73
- **Combined microarray analysis of small cell lung cancer reveals altered apoptotic balance and distinct expression signatures of MYC family gene amplification** *ONCOGENE*
Kim, Y. H., Girard, L., Giacomini, C. P., Wang, P., Hernandez-Boussard, T., Tibshirani, R., Minna, J. D., Pollack, J. R.
2006; 25 (1): 130-138
- **Gene expression profiling differentiates germ cell tumors from other cancers and defines subtype-specific signatures** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Juric, D., Sale, S., Hromas, R. A., Yu, R., Wang, Y., Duran, G. E., Tibshirani, R., Einhorn, L. H., Sikic, B. I.
2005; 102 (49): 17763-17768
- **Differential gene expression profiles in CD34+myelodysplastic syndrome marrow cells.** *47th Annual Meeting of the American-Society-of-Hematology*
Sridhar, K., Brown, P. O., Tibshirani, R., Jamieson, C., Weissman, I., Ross, D. T., Greenberg, P. L.
AMER SOC HEMATOLOGY.2005: 956A-956A
- **Gene expression profiling and FLT3 status correlate with outcome in de novo acute myeloid leukemia (AML) with normal karyotype: Results of children's oncology group (COG) study POG #9421.** *47th Annual Meeting of the American-Society-of-Hematology*
Lacayo, N., Meshinchi, S., Raimondi, S., Saraiya, C., O'Brien, M., Yu, R., Juric, D., Chang, M., Willman, C., Tibshirani, R., Ravindranath, Y., Sikic, B., Weinstein, et al
AMER SOC HEMATOLOGY.2005: 667A-667A
- **Cluster validation by prediction strength** *JOURNAL OF COMPUTATIONAL AND GRAPHICAL STATISTICS*
Tibshirani, R., Walther, G.
2005; 14 (3): 511-528
- **Signature patterns of gene expression in mouse atherosclerosis and their correlation to human coronary disease** *PHYSIOLOGICAL GENOMICS*
Tabibiazar, R., Wagner, R. A., Ashley, E. A., King, J. Y., Ferrara, R., Spin, J. M., Sanan, D. A., Narasimhan, B., Tibshirani, R., Tsao, P. S., Efron, B., Quertermous, T.
2005; 22 (2): 213-226
- **Array-based comparative genomic hybridization identifies localized DNA amplifications and homozygous deletions in pancreatic cancer** *NEOPLASIA*
Bashyam, M. D., Bair, R., Kim, Y. H., Wang, P., Hernandez-Boussard, T., Karikari, C. A., Tibshirani, R., Maitra, A., Pollack, J. R.
2005; 7 (6): 556-562
- **Genome-wide characterization of gene expression variations and DNA copy number changes in prostate cancer cell lines** *PROSTATE*
Zhao, H. J., Kim, Y., Wang, P., Lapointe, J., Tibshirani, R., Pollack, J. R., Brooks, J. D.

2005; 63 (2): 187-197

- **Robustness, scalability, and integration of a wound-response gene expression signature in predicting breast cancer survival** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Chang, H. Y., Nuyten, D. S., Sneddon, J. B., Hastie, T., Tibshirani, R., Sorlie, T., Dai, H. Y., He, Y. D., Van't Veer, L. J., Bartelink, H., van de Rijn, M., Brown, P. O., van de Vijver, et al
2005; 102 (10): 3738-3743
- **Mouse strain-specific differences in vascular wall gene expression and their relationship to vascular disease** *ARTERIOSCLEROSIS THROMBOSIS AND VASCULAR BIOLOGY*
Tabibiazar, R., Wagner, R. A., Spin, J. M., Ashley, E. A., Narasimhan, B., Rubin, E. M., Efron, B., Tsao, P. S., Tibshirani, R., Quertermous, T.
2005; 25 (2): 302-308
- **The 'miss rate' for the analysis of gene expression data** *BIOSTATISTICS*
Taylor, J., Tibshirani, R., Efron, B.
2005; 6 (1): 111-117
- **Early detection of breast cancer based on gene-expression patterns in peripheral blood cells** *BREAST CANCER RESEARCH*
Sharma, P., Sahni, N. S., Tibshirani, R., Skaane, P., Urdal, P., Berghagen, H., Jensen, M., Kristiansen, L., Moen, C., Sharma, P., Zaka, A., Arnes, J., Sauer, et al
2005; 7 (5): R634-R644
- **Sparsity and smoothness via the fused lasso** *JOURNAL OF THE ROYAL STATISTICAL SOCIETY SERIES B-STATISTICAL METHODOLOGY*
Tibshirani, R., Saunders, M., Rosset, S., Zhu, J., Knight, K.
2005; 67: 91-108
- **CSF1 expression signature identifies a subset of breast carcinomas and influences outcome.** *28th Annual San Antonio Breast Cancer Symposium*
West, R. B., Horlings, H., Nuyten, D. S., Subramanian, S., Zhu, S. X., Miller, M., Rubin, B. P., Nielsen, T. O., Gilks, C. B., Huntsman, D. G., Tibshirani, R., van De Vijver, M., van de Rijn, et al
SPRINGER.2005: S135-S135
- **A method for calling gains and losses in array CGH data** *BIOSTATISTICS*
Wang, P., Kim, Y., Pollack, J., Narasimhan, B., Tibshirani, R.
2005; 6 (1): 45-58
- **Sample classification from protein mass spectrometry, by 'peak probability contrasts'** *BIOINFORMATICS*
Tibshirani, R., Hastie, T., Narasimhan, B., Soltys, S., Shi, G. Y., Koong, A., Le, Q. T.
2004; 20 (17): 3034-3044
- **The percentage of tumor-infiltrating T cells is not correlated with overall survival in follicular B-cell lymphomas** *46th Annual Meeting of the American-Society-of-Hematology*
Ai, W. Y., Czerwinski, D. K., Tibshirani, R., Horning, S. J., Levy, R.
AMER SOC HEMATOLOGY.2004: 891A-891A
- **Gene expression profiles at diagnosis in de novo childhood AML patients identify FLT3 mutations with good clinical outcomes** *BLOOD*
Lacayo, N. J., Meshinchi, S., Kinnunen, P., Yu, R., Wang, Y., Stuber, C. M., Douglas, L., Wahab, R., Becton, D. L., Weinstein, H., Chang, M. N., Willman, C. L., Radich, et al
2004; 104 (9): 2646-2654
- **The entire regularization path for the support vector machine** *JOURNAL OF MACHINE LEARNING RESEARCH*
Hastie, T., Rosset, S., Tibshirani, R., Zhu, J.
2004; 5: 1391-1415
- **Developmental response to hypoxia** *FASEB JOURNAL*
Huang, S. T., Vo, K. C., Lyell, D. J., Faessen, G. H., Tulac, S., Tibshirani, R., Giaccia, A. J., Giudice, L. C.
2004; 18 (12): 1348-1365
- **Toxicity from radiation therapy associated with abnormal transcriptional responses to DNA damage** *Annual Scientific Meeting on Exploring Genomics in Radiation Oncology*
Rieger, K. E., Hong, W. J., Tusher, V. G., Tang, J., Tibshirani, R., Chu, G.
ELSEVIER IRELAND LTD.2004: S29-S29

- **The use of plasma surface-enhanced laser desorption/ionization time-of-flight mass spectrometry proteomic patterns for detection of head and neck squamous cell cancers** *45th Annual Meeting of the American-Society-for-Therapeutic-Radiology-and-Oncology (ASTRO)*
Soltys, S. G., Le, Q. T., Shi, G. Y., Tibshirani, R., Giaccia, A. J., Koong, A. C.
AMER ASSOC CANCER RESEARCH.2004: 4806-12
- **Efficient quadratic regularization for expression arrays** *BIOSTATISTICS*
Hastie, T., Tibshirani, R.
2004; 5 (3): 329-340
- **Different gene expression patterns in invasive lobular and ductal carcinomas of the breast** *MOLECULAR BIOLOGY OF THE CELL*
Zhao, H. J., Langerod, A., Ji, Y., Nowels, K. W., Nesland, J. M., Tibshirani, R., Bukholm, I. K., Karesen, R., Botstein, D., Borresen-Dale, A. L., Jeffrey, S. S.
2004; 15 (6): 2523-2536
- **Prediction of survival in diffuse large-B-cell lymphoma based on the expression of six genes** *NEW ENGLAND JOURNAL OF MEDICINE*
Lossos, I. S., Czerwinski, D. K., Alizadeh, A. A., Wechsler, M. A., Tibshirani, R., Botstein, D., Levy, R.
2004; 350 (18): 1828-1837
- **Toxicity from radiation therapy associated with abnormal transcriptional responses to DNA damage** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Rieger, K. E., Hong, W. J., Tusher, V. G., Tang, J., Tibshirani, R., Chu, G.
2004; 101 (17): 6635-6640
- **Use of gene-expression profiling to identify prognostic subclasses in adult acute myeloid leukemia** *NEW ENGLAND JOURNAL OF MEDICINE*
Bullinger, L., Dohner, K., Bair, E., Frohling, S., Schlenk, R. F., Tibshirani, R., Dohner, H., Pollack, J. R.
2004; 350 (16): 1605-1616
- **Semi-supervised methods to predict patient survival from gene expression data.** *PLoS biology*
Bair, E., Tibshirani, R.
2004; 2 (4): E108-?
- **Semi-supervised methods to predict patient survival from gene expression data** *PLOS BIOLOGY*
Bair, E., Tibshirani, R.
2004; 2 (4): 511-522
- **Least angle regression** *ANNALS OF STATISTICS*
Efron, B., Hastie, T., Johnstone, I., Tibshirani, R.
2004; 32 (2): 407-451
- **Cancer characterization and feature set extraction by discriminative margin clustering** *BMC BIOINFORMATICS*
Munagala, K., Tibshirani, R., O Brown, P.
2004; 5
- **Guidelines - Expression profiling - best practices for data generation and interpretation in clinical trials** *NATURE REVIEWS GENETICS*
Hoffman, E. P., Awad, T., Palma, J., Webster, T., Hubbell, E., Warrington, J. A., Spirais, A., Wright, G., Buckley, J., Triche, T., Davis, R., Tibshirani, R., Xiao, et al
2004; 5 (3): 229-237
- **Gene expression profiling identifies clinically relevant subtypes of prostate cancer** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Lapointe, J., Li, C., Higgins, J. P., van de Rijn, M., Bair, E., Montgomery, K., Ferrari, M., Egevad, L., Rayford, W., Bergerheim, U., Ekman, P., DeMarzo, A. M., Tibshirani, et al
2004; 101 (3): 811-816
- **Central carbon metabolism genes that predict disease-free survival in hormone receptor negative tumors.** *27th Annual San Antonio Breast Cancer Symposium*
Funari, V. A., Tibshirani, R., Ji, Y., Nicolau, M., Carlson, R. W., Brown, P. O., Noh, D. Y., Jeffrey, S. S.
SPRINGER.2004: S115-S115
- **1-norm support vector machines** *17th Annual Conference on Neural Information Processing Systems (NIPS)*
Zhu, J., Rosset, S., Hastie, T., Tibshirani, R.

MIT PRESS.2004: 49–56

- **Boosted PRIM with application to searching for oncogenic pathway of lung cancer** *IEEE Computational Systems Bioinformatics Conference (CSB 2004)*
Wang, P., Kim, Y., Pollack, J., Tibshirani, R.
IEEE COMPUTER SOC.2004: 604–609
- **Gene expression patterns in ovarian carcinomas** *MOLECULAR BIOLOGY OF THE CELL*
Schaner, M. E., Ross, D. T., Ciaravino, G., Sorlie, T., Troyanskaya, O., Diehn, M., Wang, Y. C., Duran, G. E., Sikic, T. L., Caldeira, S., Skomedal, H., Tu, I. P., Hernandez-Boussard, et al
2003; 14 (11): 4376-4386
- **Changes in gene expression in intermediate endpoints of gastric cancer: A randomized, placebo-controlled trial of Helicobacter pylori eradication therapy.** *2nd Annual Conference on Frontiers in Cancer Prevention Research*
Tsai, C. J., Yang, S. F., Tibshirani, R. J., Guarner, J., Mohar, A., Herrera-Goepfert, R., Parsonnet, J.
AMER ASSOC CANCER RESEARCH.2003: 1280S–1280S
- **Characterization of variant patterns of nodular lymphocyte predominant Hodgkin lymphoma with immunohistologic and clinical correlation** *AMERICAN JOURNAL OF SURGICAL PATHOLOGY*
Fan, Z., Natkunam, Y., Bair, E., Tibshirani, R., Warnke, R. A.
2003; 27 (10): 1346-1356
- **Statistical significance for genomewide studies** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Storey, J. D., Tibshirani, R.
2003; 100 (16): 9440-9445
- **Repeated observation of breast tumor subtypes in independent gene expression data sets** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Sorlie, T., Tibshirani, R., Parker, J., Hastie, T., Marron, J. S., Nobel, A., Deng, S., Johnsen, H., Pesich, R., Geisler, S., Demeter, J., Perou, C. M., Lonning, et al
2003; 100 (14): 8418-8423
- **Note on "Comparison of model selection for regression" by Vladimir Cherkassky and Yunqian Ma** *NEURAL COMPUTATION*
Hastie, T., Tibshirani, R., Friedman, J.
2003; 15 (7): 1477-1480
- **Class prediction by nearest shrunken centroids, with applications to DNA microarrays** *STATISTICAL SCIENCE*
Tibshirani, R., Hastie, T., Narasimhan, B., Chu, G.
2003; 18 (1): 104-117
- **HGAL is a novel interleukin-4-inducible gene that strongly predicts survival in diffuse large B-cell lymphoma** *BLOOD*
Lossos, I. S., Alizadeh, A. A., Rajapaksa, R., Tibshirani, R., Levy, R.
2003; 101 (2): 433-440
- **Statistical methods for identifying differentially expressed genes in DNA microarrays.** *Methods in molecular biology (Clifton, N.J.)*
Storey, J. D., Tibshirani, R.
2003; 224: 149-157
- **Expression of cytokeratins 17 and 5 identifies a group of breast carcinomas with poor clinical outcome** *AMERICAN JOURNAL OF PATHOLOGY*
van de Rijn, M., Perou, C. M., Tibshirani, R., Haas, P., Kallioniemi, C., Kononen, J., Torhorst, J., Sauter, G., Zuber, M., Kochli, O. R., Mross, F., Dieterich, H., Seitz, et al
2002; 161 (6): 1991-1996
- **Microarray analysis reveals a major direct role of DNA copy number alteration in the transcriptional program of human breast tumors** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Pollack, J. R., Sorlie, T., Perou, C. M., Rees, C. A., Jeffrey, S. S., Lonning, P. E., Tibshirani, R., Botstein, D., Borresen-Dale, A. L., Brown, P. O.
2002; 99 (20): 12963-12968
- **Empirical Bayes methods and false discovery rates for microarrays** *GENETIC EPIDEMIOLOGY*
Efron, B., Tibshirani, R.
2002; 23 (1): 70-86
- **Diagnosis of multiple cancer types by shrunken centroids of gene expression** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*

- Tibshirani, R., Hastie, T., Narasimhan, B., Chu, G.
2002; 99 (10): 6567-6572
- **Precision and functional specificity in mRNA decay** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Wang, Y. L., Liu, C. L., Storey, J. D., Tibshirani, R. J., Herschlag, D., Brown, P. O.
2002; 99 (9): 5860-5865
 - **Pre-validation and inference in microarrays.** *Statistical applications in genetics and molecular biology*
Tibshirani, R. J., Efron, B.
2002; 1: Article1-?
 - **Supervised learning from microarray data** *15th Biannual Conference on Computational Statistics (COMPSTAT)*
Hastie, T., Tibshirani, R., Narasimhan, B., Chu, G.
PHYSICA-VERLAG GMBH & CO.2002: 67-77
 - **Exploratory screening of genes and clusters from microarray experiments** *STATISTICA SINICA*
Tibshirani, R., Hastie, T., Narasimhan, B., Eisen, M., Sherlock, G., Brown, P., Botstein, D.
2002; 12 (1): 47-59
 - **Transcriptional programs activated by exposure of human prostate cancer cells to androgen** *GENOME BIOLOGY*
DePrimo, S. E., Diehn, M., Nelson, J. B., Reiter, R. E., Matese, J., Fero, M., Tibshirani, R., Brown, P. O., Brooks, J. D.
2002; 3 (7)
 - **Empirical Bayes analysis of a microarray experiment** *160th Annual Meeting of the American-Statistical-Association*
Efron, B., Tibshirani, R., Storey, J. D., Tusher, V.
AMER STATISTICAL ASSOC.2001: 1151-60
 - **Gene expression patterns of breast carcinomas distinguish tumor subclasses with clinical implications** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Sorlie, T., Perou, C. M., Tibshirani, R., Aas, T., Geisler, S., Johnsen, H., Hastie, T., Eisen, M. B., van de Rijn, M., Jeffrey, S. S., Thorsen, T., Quist, H., Matese, et al
2001; 98 (19): 10869-10874
 - **Expression of a single gene, BCL-6, strongly predicts survival in patients with diffuse large B-cell lymphoma** *BLOOD*
Lossos, I. S., Jones, C. D., Warnke, R., Natkunam, Y., Kaizer, H., Zehnder, J. L., Tibshirani, R., Levy, R.
2001; 98 (4): 945-951
 - **Missing value estimation methods for DNA microarrays** *BIOINFORMATICS*
Troyanskaya, O., Cantor, M., Sherlock, G., BROWN, P., Hastie, T., Tibshirani, R., Botstein, D., Altman, R. B.
2001; 17 (6): 520-525
 - **Significance analysis of microarrays applied to the ionizing radiation response** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Tusher, V. G., Tibshirani, R., Chu, G.
2001; 98 (9): 5116-5121
 - **Supervised harvesting of expression trees** *GENOME BIOLOGY*
Hastie, T., Tibshirani, R., Botstein, D., Brown, P.
2001; 2 (1)
 - **Estimating the number of clusters in a data set via the gap statistic** *JOURNAL OF THE ROYAL STATISTICAL SOCIETY SERIES B-STATISTICAL METHODOLOGY*
Tibshirani, R., Walther, G., Hastie, T.
2001; 63: 411-423
 - **The inference of antigen selection on Ig genes** *JOURNAL OF IMMUNOLOGY*
Lossos, I. S., Tibshirani, R., Narasimhan, B., Levy, R.
2000; 165 (9): 5122-5126
 - **Bayesian backfitting** *STATISTICAL SCIENCE*
Hastie, T., Tibshirani, R.

2000; 15 (3): 196-213

- **Bayesian backfitting - Comments and rejoinder** *STATISTICAL SCIENCE*
Cook, R. D., Pardoe, L., Gelfand, A. E., Green, P. J., Hastie, T., Tibshirani, R.
2000; 15 (3): 213-223
- **Additive logistic regression: A statistical view of boosting** *ANNALS OF STATISTICS*
Friedman, J., Hastie, T., Tibshirani, R.
2000; 28 (2): 337-374
- **Molecular analysis of immunoglobulin genes in diffuse large B-cell lymphomas** *BLOOD*
Lossos, I. S., Okada, C. Y., Tibshirani, R., Warnke, R., Vose, J. M., Greiner, T. C., Levy, R.
2000; 95 (5): 1797-1803
- **Distinct types of diffuse large B-cell lymphoma identified by gene expression profiling** *NATURE*
Alizadeh, A. A., Eisen, M. B., Davis, R. E., Ma, C., Lossos, I. S., Rosenwald, A., Boldrick, J. G., Sabet, H., Tran, T., Yu, X., Powell, J. I., Yang, L. M., Marti, et al
2000; 403 (6769): 503-511
- **'Gene shaving' as a method for identifying distinct sets of genes with similar expression patterns.** *Genome biology*
Hastie, T., Tibshirani, R., Eisen, M. B., Alizadeh, A., Levy, R., Staudt, L., Chan, W. C., Botstein, D., BROWN, P.
2000; 1 (2): RESEARCH0003-?
- **Model search by bootstrap "bumping"** *JOURNAL OF COMPUTATIONAL AND GRAPHICAL STATISTICS*
Tibshirani, R., Knight, K.
1999; 8 (4): 671-686
- **Statistical measures for the computer-aided diagnosis of mammographic masses** *JOURNAL OF COMPUTATIONAL AND GRAPHICAL STATISTICS*
Hastie, T., Ikeda, D., Tibshirani, R.
1999; 8 (3): 531-543
- **The covariance inflation criterion for adaptive model selection** *JOURNAL OF THE ROYAL STATISTICAL SOCIETY SERIES B-STATISTICAL METHODOLOGY*
Tibshirani, R., Knight, K.
1999; 61: 529-546
- **The problem of regions** *ANNALS OF STATISTICS*
Efron, B., Tibshirani, R.
1998; 26 (5): 1687-1718
- **Classification by pairwise coupling** *ANNALS OF STATISTICS*
Hastie, T., Tibshirani, R.
1998; 26 (2): 451-471
- **Classification by pairwise coupling** *11th Annual Conference on Neural Information Processing Systems (NIPS)*
Hastie, T., Tibshirani, R.
MIT PRESS.1998: 507-513
- **Improvements on cross-validation: The .632+ bootstrap method** *JOURNAL OF THE AMERICAN STATISTICAL ASSOCIATION*
Efron, B., Tibshirani, R.
1997; 92 (438): 548-560
- **The lasso method for variable selection in the cox model** *STATISTICS IN MEDICINE*
Tibshirani, R.
1997; 16 (4): 385-395
- **Association between cellular phones and car collisions** *[it New. Engl. J. Med]*
Tibshirani, R., Redelmeier, D.
1997
- **Using specially designed exponential families for density estimation** *ANNALS OF STATISTICS*
Efron, B., Tibshirani, R.

1996; 24 (6): 2431-2461

- **Discriminant adaptive nearest neighbor classification and regression** *9th Annual Conference on Neural Information Processing Systems (NIPS)*
Hastie, T., Tibshirani, R.
MIT PRESS.1996: 409–415
- **Generalized additive models for medical research.** *Statistical methods in medical research*
Hastie, T., Tibshirani, R.
1995; 4 (3): 187-196
- **Flexible discriminant analysis** *{it J. Amer. Statist. Assoc. }*
Tibshirani, R., Hastie, T., Buja, A.
1994
- **An Introduction to the Bootstrap** *Chapman and Hall, New York and London.*
Tibshirani. R., Efron, B.
1993
- **{it Generalized additive models}**, *Chapman and Hall, London*
Tibshirani, R., Hastie, T.
1990